

THE TYPES AND FIGURED SPECIMENS OF
UNIONACEA (MOLLUSCA : BIVALVIA) IN THE
BRITISH MUSEUM (NATURAL HISTORY)



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THE TYPES AND FIGURED SPECIMENS OF UNIONACEA (MOLLUSCA : BIVALVIA) IN THE BRITISH MUSEUM (NATURAL HISTORY)

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INTRODUCTION

AMONG the more important collections of Unionacea in the British Museum (Nat. Hist.) is that of Hugh Cuming, which was acquired in 1866. Cuming sought to have a pair of each described species, and he exchanged shells with most of his contemporaries. Many of his examples of North American species were from J. G. Anthony, whose collection is in the Museum of Comparative Zoology. These specimens often have generalized locality data, which, with the names, were written on the shells by Anthony.

Many of Cuming's shells, and those from the collections of S. Hanley, T. L. Taylor and the Sowerby family, are figured by Lovell Reeve and George B. Sowerby in their uncritical monographs on the Unionacea in the *Conchologia Iconica* between the years 1864-1870. These authors generally figured shells under the names which appeared on the labels before them. Unnamed ones were apparently described as new species. References to the original descriptions are often scanty or missing, and locality data, when present, usually general. Nevertheless, because of the quality of the hand coloured lithograph plates of the various species in natural size, the work has been often referred to by subsequent authors.

The types of Reeve and Sowerby are assumed to have been in the British Museum (Nat. Hist.) if they were based on shells from the collections of Cuming, Hanley or Taylor, though many of these are now missing. The entire Cuming collection was acquired by the museum shortly after his death, but only parts of the collections of Hanley and Taylor were added toward the end of the nineteenth century, after they had passed through the hands of shell dealers. Nevertheless, references to all of the species described from these collections are included in this list if they were described in the *Conchologia Iconica*. None of the species described by Sowerby in this work from the Sowerby family collection were found in the museum. The Sowerbys were shell dealers and it is assumed that these types were sold to various collectors, and therefore, as they were never in the British Museum (Nat. Hist.), they are not included here.

The molluscs described by Alcide D. d'Orbigny in his *Voyage dans l'Amérique Méridionale* during the years 1826-33, were purchased by the museum and enumerated by J. E. Gray in 1854.¹ In most instances Orbigny marked his figured types

¹ Gray, John Edward, 1854, List of the Shells of South America in the Collection of the British Museum. Collected and described by M. Alcide d'Orbigny, "In the Voyage dans l'Amérique Méridionale." London: Published by Order of the Trustees. Pp. 89, 16 mo. (Unionidae, pp. 74-79, nos. 660-700).

with an "x". The names of all of the Unionacea described by Orbigny from his collection of this voyage are included, including those for which no types were found.

The shells of Orbigny have always been kept separate from the main collection. The specimens were originally glued on cards, but when I examined them, many were detached and mixed; however, it was possible to sort them. The shells were cleaned, registered and put in boxes with their original labels.

Many of Arthur Morelet's types were purchased in 1892, shortly after his death, from the shell dealer Hugh Fulton. Also purchased were those species described from the Morelet collection by Fischer and Crosse in their *Mission Scientifique au Mexique et dans l'Amerique Centrale* (Unionacea, 1894). Only those species for which types were found in the museum are included here.

While the collections mentioned above contain the majority of types that can be discussed here, there are many types from various individuals that can be found only by reference to the following list. The general collection of Unionacea had been hastily moved during the Second World War, and many of the shells were detached from the cards on which they had been glued and were badly mixed. Fortunately many of the Hanley, Taylor and Morelet shells were in glass topped boxes. Originally most of the lots consisted of two specimens, often accompanied with scanty data. I was unable to rearrange the general collection, but each lot was examined, and every specimen that gave any evidence that it might be a type, or could have been one that was ever figured in the *Conchologia Iconica* or any other work, was checked against original references, and those which proved to be authentic were placed in a special cabinet which was made available for that purpose.

In addition to the list of types, this paper includes references to several works containing figures of specimens which are not types

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I am grateful to Dr. Norman Tebble who invited me to make the present study, which was done in 1963. He kindly permitted me to remove the types and figured specimens from the general collection, and provided a separate cabinet to house them. He was most kind in assisting me with my many queries, as was Mr. Peter Dance. Miss Joan Rosling painstakingly catalogued and individually numbered all of the shells which were previously unregistered. Mr. Fred Woodward helped me locate some of the figured specimens from the Cuming collection. Thanks are also extended to my colleagues Drs. Kenneth J. Boss and Ruth D. Turner who critically read the manuscript.

Special thanks are extended to Mr. John F. Peake for his part in helping to shepherd this paper through the press, for reading it with special care, and offering critical suggestions.

Part 1

A LIST OF THE TYPES OF RECENT UNIONACEA IN THE BRITISH MUSEUM (NATURAL HISTORY) WITH THEIR ORIGINAL REFERENCES AND TYPE LOCALITIES

The following list is arranged alphabetically by species, giving the author, year and place of publication of the original description, the type locality and collector or

collection when relevant, and includes references to those species which are believed to have been in the museum but are now lost. The word "lost" is in brackets indicating this to be my opinion after a careful search had been made.

The location of the holotype is given when known, even if not in the British Museum (Nat. Hist). If the location of the holotype is unknown, types are listed as syntypes or paratypes, generally the latter if the species was originally figured and there seems to be a possibility that that specimen may be extant. Obviously the use of either of these terms when the location of the holotype is not definitely known is arbitrary.

The selection of a single specimen, or holotype, to represent each described taxon, which is now prevalent, was not necessarily the intent of earlier authors. Nevertheless, the rules promulgated by the XV International Congress of Zoology and published as the International Code of Zoological Nomenclature (1961 and slightly modified in 1964) must be uniformly applied to all taxa.

Article 73 (a) states : If a new nominal species is based on a single specimen, that specimen is the "holotype".

Clearly covered by this article are most of the Unionacea described and figured by Reeve and Sowerby in the *Conchologia Iconica*, since the type lot usually consisted only of the figured specimen. There is usually no evidence in the descriptions that they saw any but the figured specimens. Isaac Lea often mentioned the number of specimens that Cuming sent to him, sometimes a single individual. Yet, some lots of specimens were found in the collection which might pass for types, except that the species was based on the single specimen sent to Lea which is now in the United States National Museum. Some "type" lots contained specimens in excess of the number which were mentioned as having been seen by the describer. The authenticity of paratypes cannot always be ascertained, even in a work such as the present one, but if the holotype has been located their authenticity is less germane.

Article 73 (b) states : If an author states in the description of a new nominal species that one specimen and only one is "the type" or uses some equivalent expression, that specimen is the holotype.

The key to the sensible application of the concept of a single specimen as the holotype to taxa described from 1756 until this concept was firmly established depends on the spirit in which the phrase "equivalent expression" is interpreted. The semantics of this seemingly ambiguous phrase can be argued, but among the definitions of these words are the following : "equivalent"—alike in significance ; "expression"—act or process of representing or making manifest, especially by language.

It was surely not the intent of the Congress to have included this phrase to obfuscate the recognition of holotypes. Rather, it appears to be a clear mandate to use Occam's razor (entities are not to be multiplied without necessity) in their recognition with taxa published before 1961. Thus if a taxon was described with a single set of measurements and not figured, the measured specimen is regarded here, as the holotype. Similarly, if a taxon is described and a single specimen is figured, that specimen is regarded as the holotype. If the measured type cannot be located, a lectotype should be chosen and figured. If the figured type is lost, the selection of a

lectotype can be made, but it may be redundant to do so if the species is readily recognizable from the figure.

Article 73 (c) states : If a new nominal species has no holotype under the provisions of (a) and (b) all of the specimens of the type series are " syntypes ", of equal value in nomenclature.

Recommendation 74B suggests : A zoologist should choose as lectotype a syntype of which a figure has been published, if such exists.

This recommendation can be easily complied with if the author figured more than one specimen that can be located. Occasionally, a subsequent author has figured a type, sometimes without design, in the case of previously unfigured species, which can be selected.

It is further recommended (74D) : When possible a lectotype should be chosen from syntypes in the collection of a public institution, preferably of the institution containing the largest number of syntypes of the species, or containing the collection upon which the author of the nominal species worked, or containing the majority of his types.

Recommendation 74D presents both ethical and practical problems, but if Article 73 (b) is interpreted as suggested above, as it is in this paper, these problems are minimal.

The references to Isaac Lea's *Observations on the Genus Unio* do not include plates and figures, since they are always the same as the preceding reference. Only the pages were renumbered in this reprint.

All locality data, contained in brackets, are additions to already published records and are from original labels or modern atlases.

The following abbreviations have been used in this list :

- ANSP Academy of Natural Sciences of Philadelphia, Pennsylvania.
 BMNH British Museum (Nat. Hist.). London.
 MCZ Museum of Comparative Zoology, Cambridge, Massachusetts.
 USNM United States National Museum, Washington, D.C.

- abdalliana* Bloomer, *Caelatura aegyptiaca* : 1946, Proc. Mal. Soc. London, **27** : 70, pl. 6, figs. 4-5 (Hag Abdalla, north of Sennaar, Soudan). Paratype BMNH 1948.5.5.6.
abnormis Morelet, *Unio* : 1862, Rev. et Mag. de Zool. (2) **14** : 480 (Bangkok [Thailand]) ; 1875, Séries Conch., pt. 4, p. 347 [not fig.]. Syntype BMNH 93.2.4.1374.
acorrhynchus Martens, *Unio* : 1895, Sitzber. Gesell. Natur. Freunde, Berlin, p. 214 (Fluss Naemingang bei Hatanggyöng [südlich von Keumsan, Prov. Chöllado] und in einem Zufluss des Imjingang [6 km. von Inchön, Prov. Kangwondo] Korea) ; Martens 1905, Zool. Jahrb., Suppl. 8, p. 61, pl. 3, fig. 4. Paratype BMNH 94.11.24.11.
acuminatus H. Adams, *Unio* : 1866, Proc. Zool. Soc. London, p. 376 ([Lake] Albert N'yanza [Central Africa]). Holotype BMNH 1867.1.9.4, figured by Smith, 1892, Ann. and Mag. Nat. Hist. (6) **10**, pl. 10, fig. 12, consists of one valve.
aegyptiaca Pallary, *Mutelina* : 1924, Mém. Inst. d'Egypt, **7** : 52, pl. 4, fig. 14 (Canal Mahmoudieh [Lower Nile, Egypt]). 2 Paratypes BMNH 1937.12.30. 13155-56.
aequatorius Morelet, *Unio* : 1885, Jour. de Conch., **33** : 31, pl. 2, fig. 9 (la rivière Mayumba, district de Cacongo [Congo] à 3 degrés au-dessus de l'Equateur). Holotype BMNH 93.2.4.1585 ; paratype BMNH 93.2.4.1586.
aereus Reeve, *Unio* : 1865, Conch. Iconica, **16**, *Unio*, pl. 30, species 160 (Hab.?, Cuming colln.). BMNH [lost].

- aeruginosus** Morelet, *Unio* : 1849, Testacea Novissima, **1** : 29 (rivulo Michol, circa Palenqueanum vicum [Chiapas, Mexico]). Measured holotype BMNH 93.2.4.2019, figured by Fischer and Crosse, 1894, Miss. Sci. au Mexique, pt. 7, **2** : 596, pl. 62, figs. 2, 2a, 2b ; paratype BMNH 93.2.4.2020.
- aethiopiiformis** "Ihering" Simpson, *Unio* : 1914, Descr. Cat. Naiades, **3** : 1312 [nomen nudum]. Specimens under this name, BMNH 1891.4.13.51-55. Distributed by Ihering but never described by him.
- aferula** Lea, *Unio* : 1864, Proc. Acad. Nat. Sci. Phila., **16** : 109 (Lake Nyassa, Central Africa, John Kirk) ; 1866 Jour. Acad. Nat. Sci. Phila. (2) **6** : 34, pl. 13, fig. 34 ; 1867, Obs. Unio, **11** : 38. Holotype USNM 84058 ; specimen from Kirk's lot, but not seen by Lea, BMNH 64.5.14.2.
- alata** Sowerby, *Hyria* : 1869, Conch. Iconica, **17**, *Hyria*, pl. 5, species 13 (Guayana). Holotype BMNH 1849.6.1.2 ; 2 paratypes BMNH 1849.6.1.2 1-2.
- alata** Lea, *Spatha* : 1864, Proc. Acad. Nat. Sci. Phila., **16** : 109 (Lake Nyassa, Central Africa, John Kirk) ; 1866, Jour. Acad. Nat. Sci. Phila. (2) **6** : 35, pl. 12, fig. 31 ; 1867, Obs. Unio, **11** : 39. Holotype USNM 86776 ; 2 specimens from Kirk's lot, but not seen by Lea, BMNH 62.9.25.4.
- ambiguus** "Parreyss" Philippi, *Unio* : 1847, Abb. und Besch. Conch., **3** : 7 [47], pl. 3, fig. 2. (Nova Hollandia, purchased from Parreyss). Holotype BMNH 41.4.29.103 *teste* and figured by McMichael and Hiscock, Australian Jour. Marine and F. W. Res., **9**, pl. 1, figs. 1-2. While there is no evidence that this specimen was the one figured by Philippi, it is probably as close to an authentic type as can be found.
- angasii** Sowerby, *Anodon* : 1870, Conch. Iconica, **17**, *Anodon*, pl. 32, species 127 (South Australia [Strangway's River, North Australia]). [Credited to Lea Obs., **12** but not described by him]. Holotype BMNH 70.10.26.41 refigured by McMichael and Hiscock, 1958, Australian Jour. Marine and F. W. Res., **9** : pl. 3, figs. 5-6.
- angustior** Hanley and Theobald, *Unio generosus* : 1872, Conch. Indica, p. 22, pl. 46, fig. 7 (Pegu) Holotype BMNH 1968655
- annulatus** Sowerby, *Anodon* : 1867, Conch. Iconica, **17**, *Anodon*, pl. 17, species 67 (Hab.?, Cuming colln.). BMNH [lost.]
- aplatus** Reeve, *Unio* : 1865, Conch. Iconica, **16**, *Unio*, pl. 28, species 143 (Island of Chiloe, Chili, Cuming colln.). BMNH [lost.]
- arcuans** Fischer and Crosse, *Unio calamitarum* : 1894, Miss. Sci. au Mexique, pt. 7, **2** : 613, pl. 64, figs. 5, 5a [Mexico, Morelet colln]. Figured holotype BMNH 93.2.4.2009.
- areolatus** Sowerby, *Anodon* : 1867, Conch. Iconica, **17**, *Anodon*, pl. 10, species 28 (Hab.?, Cuming colln.). BMNH [lost.]
- askewi** Marsh, *Unio* : 1896, Nautilus, **10** : 92 (Village Creek, Hardin Co., Texas ; Sabine River, Texas) ; Marsh 1897, Nautilus, **10** : 11, pl. 1, figs. 3-4. Figured holotype ANSP 70448a ; 2 paratypes BMNH 98.2.1.36-37, from the Sabine River, Texas.
- auklandicus** Gray, *Unio* : 1843 [in] Dieffenbach, Travels in New Zealand, **2** : 257 (Bay of Islands ; Auckland in the Bay of Amabrusa) restricted by McMichael and Hiscock 1958, Australian Jour. Marine and F. W. Res., **9** : 455 to near Auckland, North Island, New Zealand. Holotype BMNH 1951.9.6.17 figured *Ibid.*, pl. 12, figs. 13-14, is two unmatched valves original no. 1842.11.5.75.
- auratus** Reeve, *Unio* : 1865, Conch. Iconica, **16**, *Unio*, pl. 29, species 150 (Island of Chiloe, Chili, Cuming colln.). Holotype BMNH 1965144 ; 2 paratypes BMNH 1965145.
- auratus** Sowerby, *Unio* : 1866, Conch. Iconica, **16**, *Unio*, pl. 45, species 245 (South America, Hanley colln.). [not in BMNH].
- avae** Theobald, *Monocondylaea* : 1873, Jour. Asiatic Soc. Bengal, **42** (2) : 209, pl. 17, fig. 5 (Mandelay regno Birmanica). Figured holotype BMNH 88.12.4.1743.
- baikii** A. Adams, *Spatha* : 1866, Proc. Zool. Soc. London, p. 447 (River Niger [Nigeria]). Of the three syntypes of this species in the BMNH, one from the Cuming colln., is closest to Adams' original measurements and is, here selected, lectotype BMNH 196466, plate 1 fig. 3. Length 116, height 75, width 46 mm ; paralectotype BMNH 196467, Cuming colln. ; paralectotype BMNH 78.1.28.199. ex. A. Adams.

- bakeri**, H. Adams, *Unio* : 1866, Proc. Zool. Soc. London, p. 376 ([Lake] Albert N'yanza [Central Africa]). Holotype BMNH 1867.1.9.1, figured by Smith, 1892. Ann. and Mag. Nat. Hist. (6) **10**, pl. 12, fig. 11, consists of one valve.
- bambousearum** Morelet, *Anodon* : 1851, Testacea Novissima, **2** : 24 (rivulos prope vicum Palenqueanum, prov. Chiapas [Mexico]). Measured holotype BMNH 1965146, figured by Fischer and Crosse, 1894, Miss. Sci. au Mexique, pt. 7, **2** : 527, pl. 63, figs. 6, 6a.
- bellua** Morelet, *Anodonta* : 1866, Rev. et Mag. de Zool. (2) **18** : 167 (lacu Toui-Sap, [Cambodia]). Lectotype MCZ 175610 selected by Johnson, 1956, Bull. Mus. Comp. Zool. **115** : 107, pl. 1, fig. 1 ; paralectotype BMNH 1965147.
- bengalensis** Sowerby, *Anodon* : 1867, Conch. Iconica, **17**, *Anodon*, pl. 14, species 49 (Bengal Rivers, Cuming colln.). BMNH [lost].
- bhamoensis** Theobald, *Unio* : 1873, Jour. Asiatic Soc. Bengal, **42**(2) : 207, pl. 17, fig. 1 (prope Bhamo, Regno Birmanico; necnon in Prome occidentali Provincia Pegu). Figured holotype BMNH 88.12.4.1672, refigured by Hanley and Theobald, 1876, Conch. Indica, p. 62, pl. 155, fig. 2 ; paratype BMNH 88.12.4.1673.
- bicaelatus** Reeve, *Unio* : 1865, Conch. Iconica, **16**, *Unio*, pl. 26, species 130 (Hab.?, Cuming colln.). BMNH [lost].
- bischoffi** "Ihering" Simpson, *Unio* : 1914, Descr. Cat. Naiades, **3** : 1312 [nomen nudum]. Specimens under this name, BMNH 1891.4.13.22-23, distributed by Ihering but never described by him.
- bonelli** Sowerby, *Anodon* : 1867, Conch. Iconica, **17**, *Anodon*, pl. 11, species 34 (Lago Maggiore [Italy] Cuming colln.). Holotype BMNH 1964379.
- breviculus** Call, *Unio* : 1887, Proc. United States Natl. Mus., **10** : 499, pl. 28 (Currant River, Shannon Co., Missouri and in Jack's Fork and Big Creek, tributaries of it). Holotype MCZ 5020 ; 2 paratypes BMNH 98.2.1.3940 from Big Creek.
- brevis** Sowerby, *Anodon* : 1870, Conch. Iconica, **17**, *Anodon*, pl. 31, species 124 (Rio Plata). Mentioned as in BMNH [lost].
- burtoni** Woodward, *Unio* : 1859, Proc. Zool. Soc. London, **27** : 349, pl. 47, fig. 1 (Lake Tanganyika [Central Africa]). Holotype BMNH 1859.12.23.9, refigured by Sowerby 1866, Conch. Iconica, **16**, *Unio*, pl. 47, species 251 ; paratype BMNH 1965220.
- calamitarum** Morelet, *Unio* : 1849, Testacea Novissima, **1** : 30 (rivulum Baluntie, propré Palenqueanum vicum [Chiapas, Mexico]). Not figured by Fischer and Crosse, 1894, Miss. Sci. au Mexique, pt. 7, **2**. Morelet gives the measurements of the type as : Altit. 29, latit. 51, diam. 16 mm. [not found]. Lectotype, here selected, BMNH 1893.2.4.2010, plate 2 fig. 5 Length 54, height 32, width 26 mm.
- callifera** Martens, *Anodonta* : 1860, Proc. Zool. Soc. London, **28** : 15 (Siam). Holotype BMNH 59.8.1.20, figured by Haas 1913, [in] Martini and Chemnitz, Conch. Cab. (2) **9**, pt. 2, sec. 2, pl. 46, fig. 3.
- cambojensis** Sowerby, *Unio* : 1866, Conch. Iconica, **16**, *Unio*, pl. 42, species 231 (Camboja, Cuming colln.). Holotype BMNH 1965148 consists of one valve ; 2 paratypes BMNH 1965149.
- carinthiacus** Ziegler, *Unio* : 1835 [in] Rossmässler, Icon. Land- und Susswasser Moll. (1) **1** : 21 ; *Ibid.*, **3** : 30, pl. 15, fig. 209 (Carinthia). Paratype BMNH 1965216, figured by Reeve, 1856, Conch. Iconica, **16**, *Unio*, pl. 30, species 157 [credited to Ziegler in index].
- carolinensis** Sowerby, *Castalia* : 1869, Conch. Iconica, **17**, *Castalia*, pl. 2, species 6 (South Carolina). Holotype BMNH 1841.4.6.149.
- championi** Martens, *Unio* : 1900, Biol. Cent. Americana, Moll., p. 508, pl. 38, fig. 9, 9a (W. Guatemala : Paso Antonio, in the Pacific coast-region). Paratypes BMNH 1901.6.22.1538-9.
- charruana** Orbigny, *Unio* : 1835, Mag. de Zool., p. 35 (Banda orientali, republica Uruguayensi orientali) ; 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 606, pl. 71, figs. 8-14 (tous les ruisseaux et les petites rivières depuis Maldonado, Montevideo, jusqu'à Las Bacas). Holotype BMNH 1854.9.4.15 from Rio Rosario ; 12 paratypes BMNH 1854.9.4.15/1-12.
- cheeziana** Sowerby, *Anodon* : 1867, Conch. Iconica, **17**, *Anodon*, pl. 15, species 52 (Hab. ?, Cuming Colln.). Holotype BMNH 1964399.

- chilensis** "Parreysis" Sowerby, *Unio* : 1867, Conch. Iconica, **16**, *Unio*, pl. 56, fig. 286 (Chili, Taylor colln.). Figured holotype BMNH 74.12.11.11.
- chinnerethensis** Preston, *Unio*. 1913, Jour. and Proc. Asiatic Soc. Bengal (n.s.) **9** : 473, pl. 27, fig. 10, roa (Lake of Tiberias, Galilee). Paratypes BMNH 1913.7.30.18 ; 1914.1.7.203-205.
- chiquitana** Orbigny, *Anodonta* : 1835, Mag. de Zool., p. 41 (Corrientes, republica Argentina ; provincia Chiquitensi, rep. Boliviana). New name for *Anodon trigonum* Spix, pl. 22, fig. 2 ; 1846, Voy. Amér. Mérid., **5**, pt. 3, listed as a synonym of *Anodonta trigona* Spix.
- ciconia** Gould, *Anodon* : 1851, Proc. Boston Soc. Nat. Hist., **4** : 92 (Mexico?). Holotype MCZ 189084, figured by Johnson, 1964, Bull. United States Natl. Mus., 239, p. 54, pl. 34, fig. 1 ; paratype BMNH 1964397 figured by Sowerby, 1870, Conch. Iconica, **17**, *Anodon*, pl. 29, species 115a. Species 115b BMNH 1964389 is not this species.
- clappertoni** Koenig, *Anodon* : 1826 [in] Denham and Clapperton, "Narrative of Trav. and Discov. in N. and Centr. Africa, Appendix", p. 255 (Gammaroo River [appears to be a locality called Gamaroo on the Komadugu Yobe River, also called the Yaou or Yo]). Syntype BMNH [not catalogued].
- cochlearis** Sowerby, *Anodon* : 1870, Conch. Iconica, **17**, *Anodon*, pl. 33, species 135 (Hab. ?). BMNH [lost].
- cocoduensis** "White" Reeve, *Unio* : 1865, Conch. Iconica, **16**, *Unio*, pl. 24, species 117 (Hab.?, Cuming colln.). Holotype BMNH 1965187 ; paratype BMNH 1965188.
- compressa** Martens, *Spatha* : 1860, Proc. Zool. Soc. London, **28** : 16 (Khaokho, NE of Pakpriau, Siam). Holotype BMNH 59.8.1.21, figured by Haas 1913, [in] Martini and Chemnitz, Conch. Cab. (2) **9**, pt. 2, sec. 2, pl. 36, fig. 2.
- contorta** Lea, *Triquetra* : see under, *lanceolata* Lea, *Triquetra*.
- cordata** Sowerby, *Castalia* : 1869, Conch. Iconica, **17**, *Castalia*, pl. 2, species 8 (British Guayana, Cuming colln.). Holotype BMNH 1965197 ; 2 smaller paratypes BMNH 1965198.
- coreanus** Martens, *Unio* : 1886, Sitzber. Gesell. Natur. Freunde, Berlin, p. 70 (Fluss Hangang, 15 km. oberhalb Söul [Prov. Kyongkwido] Korea) ; Martens, 1905, Zool. Jahrb., Suppl. **8**, p. 50, pl. 3, fig. 5. Paratype BMNH 94.11.23.10.
- corium** Reeve, *Unio* : 1864, Conch. Iconica, **16**, *Unio* pl. 10, species 39 (Chiapa, Mexico, Cuming colln.). Holotype BMNH 1965209.
- corrientesensis** Orbigny, *Monocondylaea* : 1835, Mag. de Zool., p. 38 (Rio Corrientes, provincia Corrientesensi, republica Argentina) ; 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 613, pl. 68, figs. 8-10 (le Rio Batel, au sud de la province de Corrientes, Argentine). Holotype BMNH 1854.9.4.28 ; 3 paratypes BMNH 1854.9.4.28/1-3.
- crepera** Lea, *Anodonta* : 1851 Proc. Zool. Soc. London for 1850, pt. 18, p. 198 (Bongabon, Luzon, Philippine Islands, Cuming) ; Lea, 1851, Ann. and Mag. Nat. Hist., **8** : 494 ; Lea, 1860, Jour. Acad. Nat. Sci. Phila. (2) **4** : 238, pl. 23, fig. 117 ; Lea 1860, Obs. Unio, **7** : 56. Lea saw five or six specimens. Holotype BMNH [lost] ; 2 paratypes BMNH 1965158 ; paratypes USNM 86602. The two specimens in the BMNH 42.5.10.1538 labeled Saul, Luzon, are not types.
- crispata** Gould, *Unio* : 1843, Proc. Boston Soc. Nat. Hist., **1** : 141 ([Tavoy] British Burmah [Burma]). Lectotype MCZ 186099, selected by Johnson, 1964, Bull. United States Natl. Mus., 239, p. 62, pl. 32, fig. 3 ; paralectotype BMNH 1965223.
- crispisulcatus** Benson, *Unio* : 1862, Ann. and Mag. Nat. Hist., **10** : 193 ; Sowerby, 1866, Conch. Iconica, **16**, *Unio*, pl. 49, fig. 262 (Hab.?, Cuming colln.). BMNH 1964358. Though credited to Lea ms., this specimen is probably a type.
- crocodilorum** Morelet, *Unio* : 1849, Testacea Novissima, **1** : 28 (flumen Usumasinta [Guatemala]). Measured holotype BMNH 93.2.4.2030, figured by Fischer and Crosse 1894, Miss. Sci. au Mexique, pt. 7, **2** : 577, pl. 60, fig. 3 ; 2 paratypes BMNH 93.2.4.2031-32, were also figured, pl. 60, figs. 4-5 and were named varieties *semipustulata* and *praestriata* respectively.
- cryptoradiata** Putzeys, *Spatha* : 1898, Ann. Soc. Mal. Belgique, **33** ; Bull. Séances, p. xxiv, figs. 14-15 (le Stanley-Pool, près de Leopoldville [Congo]). 2 paratypes BMNH 1902.11.20.1-2, from Putzeys, purchased from H. B. Preston.

- cumingii* Lea, *Anodonta* : 1850, Proc. Zool. Soc. London, **18** : 199 (Malacca, Cuming colln.) ; *cumingii* Lea, *Monocondylaea*, 1860, Jour. Acad. Nat. Sci. Phila. (2) **4** : 235, pl. 33, fig. 114 ; 1860, Obs. Unio, **7** : 53. Holotype USNM 86350 ; paratype BMNH [not catalogued] figured by Sowerby, 1870, Conch. Iconica, **17**, *Anodon*, pl. 31, species 122.
- cumingii* Dunker, *Galatea* ; 1860, [in] Bernardi, Monog. Galatea et Fischeria, p. 35, pl. 6, figs. 7-8 ; pl. 9, fig. 8 (le Gabon, Cuming colln.). BMNH [lost].
- cumingii* Lea, *Unio* : 1852, Proc. Acad. Nat. Sci. Phila., **6** : 54 (Northern part of China, H. Cuming) ; Lea 1860, Jour. Acad. Nat. Sci. Phila. (2) **4** : 240, pl. 35, fig. 120 ; Lea 1860, Obs. Unio, **7** : 58. Holotype USNM 83897 ; paratype BMNH 1964360 figured by Sowerby, 1866, Conch. Iconica, **16**, *Unio*, pl. 49, species 264.
- cuneata* Preston, *Mutela* : 1910, Ann. and Mag. Nat. Hist. (8) **6** : 62, pl. 5, fig. 13 (Karonga, northern end of Lake Nyassa [Central Africa]). Paratype BMNH 1910.9.28.9.
- dactylus* Sowerby, *Anodon* : 1867, Conch. Iconica, **17**, *Anodon*, pl. 19, species 75 (Hab. ?, Cuming colln.). BMNH [lost].
- dactylus* Morelet, *Unio* : 1845, Moll. de Portugal, p. 110, pl. 14, fig. 2 (affluent de la Guadiana près de Castro-Verde en Algarve). Holotype BMNH 93.2.4.1587.
- dahomeyensis* Lea, *Anodonta* : 1859, Proc. Acad. Nat. Sci. Phila., **11** : 154 (Dahomey, West Africa, Mr. Frazer, Cuming colln.) ; Lea 1859, Jour. Acad. Nat. Sci. Phila. (2) **4** : 261, pl. 41, fig. 141 ; Lea 1860, Obs. Unio, **7** : 79 ; Sowerby, 1870, Conch. Iconica, **17**, *Anodon*, pl. 36, species 151. Holotype BMNH 1965163. The type lot also contained two smaller specimens BMNH 1965164 not seen by Lea.
- dalyi* E. A. Smith, *Mulleria* : 1898, Proc. Mal. Soc. London, **3** : 14, text figs. (Probably near Mudgiri, Kadur District, Mysore Dist., Southern India). Lectotype BMNH 1897.11.19.1, selected by Pain and Woodward 1961, Jour. of Conch., **25** : 5, specimen in upper two drawings ; 2 paralectotypes BMNH 1897.11.30.19-20.
- delessertii* Bernardi, *Fischeria* : 1860, Monog. Galathea et Fischeria, p. 46, pl. 3, figs. 3-4 ; pl. 9, fig. 5 (Les cours d'eau près du cap Palmas, Guinée, Bernardi [Paris Mus.?] et Cuming colln.). BMNH [lost].
- delphinulus* Morelet, *Unio* : 1849, Testacea Novissima, **1** : 31 (paludosa flum. Usumasinta et lacum Petenensem [lac de Flores ou Tha, Guatemala]). The specimen figured by Fischer and Crosse, 1894, Miss. Sci. au Mexique, pt. 7, **2** : 557, pl. 63, figs. 2, 2a, 2b in the Paris Museum may be a type, but it is larger than the measured holotype. Probable measured holotype BMNH 93.2.4.1588. Morelet's description gives Alt. 26, Lat. 60, Diam. 14 mm. The probable holotype measures, without the "wing", Length 29, height 60, width 14 mm. The label has the additional data given above in brackets.
- dembeae* Reeve, *Unio* : 1865, Conch. Iconica, **16**, *Unio*, pl. 29, species 153 (Dembea, Abyssinia, Cuming colln.). BMNH [lost].
- demeraraensis* Lea, *Unio* : 1859, Proc. Acad. Nat. Sci. Phila., **11** : 152 (Demerara, British Guiana, Cuming colln.) ; Lea, 1860, Jour. Acad. Nat. Sci. Phila. (2) **4** : 253, pl. 39, fig. 133 ; Lea, 1860, Obs. Unio, **7** : 71. Lea only saw the holotype, which was not found in the BMNH, or in the USNM.
- dernaica* Pallary, *Margaritana* : 1928, Jour. de Conch., **72** : 22, pl. 4, figs. 1-2 (l'oued Derna, affluent de la rive gauche de l'oum er Riba, à la hauteur de Tagnzirt (moyen Atlas, méridional) région de Tadla). Paratype BMNH 1937.12.30.13022.
- deviatus* "Anthony" Reeve, *Unio* : 1964, Conch. Iconica, **16**, *Unio*, pl. 15, species 61 (North America, Cuming colln.). Holotype BMNH 1965210, with Anthony's original label to H. Cuming, "Tennessee, very rare, best I have."
- digitatus* Morelet, *Unio* : 1851, Testacea Novissima, **2** : 24 (flumen Usumasinta [Peten Prov., Guatemala]). Measured holotype BMNH 93.2.4.2035, figured by Fischer and Crosse, 1894, Miss. Sci. au Mexique, pt. 7, **2** : 563, pl. 60, fig. 1.
- digitiformis* Sowerby, *Unio* : 1868, Conch. Iconica, **16**, *Unio*, pl. 65, species 333 (India, Taylor colln.). Holotype BMNH 1965199.
- diminutus* Lea, *Unio* : 1859, Proc. Acad. Nat. Sci. Phila., **11** : 151 (East Africa, H. Cuming and S. Hanley) ; Lea, 1860, Jour. Acad. Nat. Sci. Phila. (2) **4** : 254, pl. 39, fig. 134 ; Lea, 1860, Obs.

- Unio*, **7** : 72. Holotype BMNH 1965165 Cuming Colln. The type lot also contains a smaller specimen BMNH 1965166, not seen by Lea.
- dolabella* Sowerby, *Castalia* : 1869, Conch. Iconica, **17**, *Castalia*, pl. 3, species 13, figs. a-c (Hab.?, Cuming colln.). Holotype BMNH 1965185 [River Amazon]; paratype BMNH 1965186.
- dugasti* Morlet [sic], *Unio* : 1892, Jour. de Conch., **40** : 86 (rivière Outhene, petit affluent du Mékong, Laos); 1893, *Ibid.*, **41** : 156, pl. 6, fig. 4, 2 paratypes BMNH 93.12.8.137-8, ex. Ph. Dautzenberg.
- durrovensis* Phillips, *Margaritifera* : 1928, Proc. Mal. Soc. London, **18** : 72, pl. 3, fig. 1; pl. 4, fig. 1 (River Nore, Durrow, Queen's Co., England). 2 figured syntypes BMNH 1928.10.23.1-2.
- dysonii* Lea, *Unio* : 1859, Proc. Acad. Nat. Sci. Phila., **11** : 152 (Honduras, D. Dyson, Cuming colln.); Lea, 1860, Jour. Acad. Nat. Sci. Phila. (2) **4** : 252, pl. 39, fig. 132; Lea, 1860, Obs. *Unio*, **7** : 70. Holotype BMNH 1965173. The type lot also contains a smaller specimen BMNH 1965174, not seen by Lea.
- electrinus* Reeve, *Unio* : 1865, Conch. Iconica, **16**, *Unio*, pl. 25, species 121 (Hab. ?, Cuming colln.). BMNH [lost].
- elliottii* Lea, *Unio* : 1856, Proc. Acad. Nat. Sci. Phila., **8** : 262 (Othcalooga Creek, Gordon Co., Georgia, Elliott); Lea, 1858, Jour. Acad. Nat. Sci. Phila. (2) **4** : 54, pl. 5, fig. 37; Lea, 1858, Obs. *Unio*, **6** : 54. Holotype USNM 84019; paratype BMNH 1965160, Cuming colln. ex Lea, figured by Reeve, 1864, Conch. Iconica, **16**, *Unio*, pl. 3, species 20.
- elongata* Longstaff, *Nodularia* (*Caelatura*) *parreysii* : 1914, Jour. Linn. Soc. London, **32** : 255, pl. 18, figs. 9-10 (White Nile River at Ad-Duwêm, Tawîla, and Gebel Ahmad Aghâ, Southern Sudân). Figured holotype BMNH 1923.6.8.1218 from Gebel Admad Aghâ.
- episcopalis* Tristram, *Unio* : 1865, Proc. Zool. Soc. London, p. 544 (Orontes River, Palestine). Lectotype, here selected, BMNH 1936.3.10.3. plate 2 fig. 1. Length 80, height 47, width 28 mm.
- esula* Orbigny, *Iridina* : 1835, Mag. de Zool. p. 43, *nomen nudum*; 1843, Voy. Amér. Mérid., **5**, pt. 3, p. 597 (tous les lacs du centre de la Bolivie; pays des Guarayos, province de Chiquitos, et dans toute la province de Moxos). The type was not figured, and since it was not found in the BMNH, it is presumed that it was lost between the time of description and the preparation of the plates.
- eurhynchus* "Bronn" Kuester, *Unio* : 1861 [in] Martini and Chemnitz, Conch. Cab. (2) **9**, pt. 2, p. 237, pl. 79, fig. 5 ([Minas Geraes] Brasilien). BMNH 1965217, distributed by Bronn before description by Kuester.
- evansi* Adams and Angus, *Unio* : 1864, Proc. Zool. Soc. London, p. 39 (Lagoons of Lower Murray R., South Australia). Holotype BMNH 1870.10.26.42, figured by McMichael and Hiscock, 1958, Australian Jour. Marine and F. W. Res., **9**, pl. 1, figs. 6-7.
- exasperata* Sowerby, *Hyria* : 1869, Conch. Iconica, **17**, *Hyria*, pl. 2, species 3 (British Guayana). BMNH [lost].
- exillis* Morelet, *Monocondylus* : 1866, Jour. de Conch., **14** : 63 (in torrentibus montanis Cambodiae [lac Touli-sap au Combodje]). Holotype BMNH 93.2.4.1981, figured by Morelet, 1875, Séries Conch., pt. 4, p. 340, pl. 17, fig. 1.
- exoticus* Sowerby, *Anodon* : 1867, Conch. Iconica, **17**, *Anodon*, pl. 16, species 57 (Rio de la Plata [Argentina]). Holotype BMNH 1965207, consists of one valve.
- explicatus* Morelet, *Unio* : 1849, Testacea Novissima, **1** : 28 (flumen Usumasinta, ad pagum Balancan Tabascensium [Mexico]). Measured holotype BMNH 93.2.4.2027, figured by Fischer and Crosse, 1894, Miss. Sci. au Mexique, pt. 7, **2** : 594, pl. 61, fig. 1.
- expressa* Martens, *Anodonta* : 1900, Natur. Deutschen Mal. Ges., **32** : 12 (Lake Danau-Baru, Indragiri, Sumatra). Two syntypes are figured by Haas 1920, [in] Martini and Chemnitz, Conch. Cabinet **9**, pt. 2, no. 2, p. 304, pl. 38, figs. 1-2; syntype BMNH 1901.6.14.3.
- exulceratus* "Porro" Sowerby, *Anodon* : 1870, Conch. Iconica, *Anodon*, **17**, pl. 33, species 131. Figured holotype BMNH 1841.5.6.127, from Zeigler.
- faba* Orbigny, *Unio* : 1835, Mag. de Zool., p. 35 (Banda orientali, republica Uruguayensi

- orientali). Is a variety of *Unio charruana* Orb., *teste*, Orbigny, 1846, Voy. Amér. Mérid., 5, pt. 3, p. 606. 5 syntypes BMNH 1854.12.4.839.
- falcatus** Higgins, *Mycetopus* : 1868, Proc. Zool. Soc. London, p. 179, pl. 14, fig. 6 (Forest streams near Chyavetas, Upper Amazons [Brazil], E. Bartlett). Holotype BMNH 68.4.3.6 ; paratype MCZ 74218, ex. R. F. Geale.
- favidens** Benson, *Unio* : 1862, Ann. and Mag. Nat. Hist. (3) 10 : 188 (Ganges [River], between Cawnpore and Allahabad [India]). 2 syntypes BMNH 1965215 from Benson ex. Cuming colln. The type figured by Reeve, 1865, Conch. Iconica, 16, *Unio*, pl. 26, species 131 Cuming colln. BMNH [lost].
- ferrarisii** Orbigny, *Anodonta* : 1835, Mag. de Zool., p. 40 (Banda orientali [Rio del Rosario], Uruguayensi orientali) ; 1846, Voy. Amér. Mérid., 5, p. 615, pl. 74, fig. 3. Listed as synonym of *Anodontes sirionis* Orbigny. Figured holotype BMNH 1854.9.4.34, consists of one valve.
- gadiana** Bloomer, *Caelatura aegyptiaca* : 1946, Proc. Mal. Soc. London, 27 : 69, pl. 6, fig. 3 (Wad Figda, canal between Khartoum and Sennaar, Soudan). Paratype BMNH 1948.5.58.
- fimbriata** Frierson, *Lampsilis* : 1907, Nautilus, 21 : 86, pl. 12, two upper figs. and lower left hand fig. (Valles River [San Luis Potosi Prov.] Mexico). Figured holotype Mus. Zool., Univ. Michigan 191161 ; 2 paratypes BMNH 1910.9.30.170-171.
- fluctiger**, Lea, *Unio* : 1859, Proc. Acad. Nat. Sci. Phila., 11 : 152 (Hab. ?, H. Cuming) ; Lea, 1860, Jour. Acad. Nat. Sci. Phila. (2) 4 : 250, pl. 39, fig. 130 ; Lea, 1860, Obs. Unio, 7 : 68. Refigured by Sowerby, 1866, Conch. Iconica, 16, *Unio*, pl. 42, species 299. Holotype BMNH 1965169. The type lot also contained a smaller specimen, BMNH 1965170 not seen by Lea.
- fontaineana** Orbigny, *Unio* : 1835, Mag. de Zool., p. 36 (Rio Parahiva, imperio Brasiliano) ; 1846, Voy. Amér. Mérid., 5, pt. 3, p. 605, pl. 69, figs. 6-7. Holotype BMNH 1854.9.4.49 ; paratype BMNH 1854.9.4.49/1.
- footei** Theobald, *Unio* : 1876, Jour. Asiatic Soc. Bengal, 45 (2) : 187, pl. 14, fig. 9 (Kistna flumine prope "Gutparba falls"). Figured holotype BMNH 88.12.4.1651.
- fossiculifera** Orbigny, *Monocondylaea* : 1835, Mag. de Zool., p. 38 (Rio Parana, provincia Corrientesensi, republica Argentina) ; 1846, Voy. Amér. Mérid., 5, pt. 3, p. 614, pl. 80, figs. 5-7 (Parana, à Iribucua, distant de vingt lieues au-dessus de corrientes, république Argentine). Holotype BMNH 1854.9.4.1 ; 7 smaller paratypes BMNH 1854.9.4.1/1-8.
- fragilis** Sowerby, *Unio* : 1865, Conch. Iconica, 16, *Unio*, pl. 30, species 155 (Island of Chiloe, Chili, Cuming colln.). Non *Unio fragilis* Swainson, 1823, changed to *Diplodon cuprinus* Simpson 1900, Proc. United States Natl. Mus., 22 : 883. Figured holotype BMNH [not catalogued] ; 2 paratypes [not catalogued].
- fragilis** Hanley and Theobald, *Unio corrugatus* : 1872, Conch. Indica, p. 21, pl. 45, fig. 4 (no locality). Figured holotype BMNH 196851.
- framesi** Connolly, *Indonaia* : 1925, Records Albany [South Africa] Mus., 3 : 265, pl. 12, figs. 1, 4 (Transvaal : near Premier Mine, Pretoria Dist., South Africa). Holotype Senckenberg Mus. ; paratypes BMNH 1926.7.7.8 and 1937.12.30.128.
- friersoni** Wright, *Unio* : 1896, Nautilus, 9 : 134, pl. 3 (Bayou Pierre, an arm of the Red River in DeSoto Parish, Louisiana). Lectotype USNM 133432, selected by Johnson, 1967, Occ. Papers on Moll., 3 : 6, pl. 5, fig. 4 ; 4 paralectotypes BMNH 98.2.1.43-44 and 05.8.15.38-39.
- fuligo** Reeve, *Unio* : 1865, Conch. Iconica, 16, *Unio*, pl. 30, species 159 (Hab. ?, Cuming colln.). BMNH [lost].
- fulmineus** "Parreys" Philippi, *Unio* : 1847, Abb. und Besch. Conch., 3 : 6[46], pl. 3, figs. 5-6 (Nova Hollandia). 3 probable syntypes BMNH 41.4.18.135-138, from Parreys.
- gibba** Sowerby, *Anodon* : 1867, Conch. Iconica, 17, *Anodon*, pl. 6, species 13 (River Kiang, [Vietnam] Cuming colln.). Holotype BMNH 1964372.
- gracilis** Lea, *Anodonta* : 1851, Proc. Zool. Soc. London for 1850, pt. 18, p. 197 (Dingle, Island of Panay, Philippine Islands, Cuming colln.) ; Lea, 1851, Ann. and Mag. Nat. Hist., 8 : 193 ; Lea, 1860, Jour. Acad. Nat. Sci. Phila. (2) 4 : 239, pl. 34, fig. 119 ; Lea, 1861, Obs. Unio, 7 : 57. Holotype USNM 86722 ; paratype BMNH [not found], figured by Sowerby, 1857, Conch. Iconica, 17, *Anodon*, pl. 14, species 45 ; 3 paratypes BMNH 1968657.

- gracilis* "Parreyss" Martens, *Iridina* : 1866, Mal. Blätt., **13** : 11 [nomen nudum, listed as a synonym of *Spathia rostrata* Rang] BMNH 41.4.28.152, distributed by Parreyss before description by Martens.
- graueri* Haas, *Caelatura* : 1927, Senckenbergiana, **9** : 21 (Urwald Ukaika, norwestlich vom Albert-Edward-See, Innerafrika). Paratype BMNH 1937.12.30.13117.
- grijalvae* Morelet, *Andonta* : 1884, Jour. de Conch., **32** : 123 (Rio dos Idolos, un des bras du fleuve Grijalva, Tabasco [Mexico]). Lectotype, here selected, BMNH 93.2.4.2009, figured by Fischer and Crosse, 1894, Miss. Sci. au Mexique, pt. 7, **2** : 532, pl. 59, fig. 1, consists of the opposite valve of the specimen figured by Fischer and Crosse and is somewhat smaller than the original measured type.
- guaraniana* Orbigny, *Unio* : 1835, Mag. de Zool., p. 37 (Rio Parana, provincia Corrientesensi, republica Argentina) ; 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 608, pl. 69, figs. 10-12 (prés du village d'Itaty, Corrientes, lorsque le Parana, [Argentina]). Measured holotype BMNH 1854.12.4.841, the figure is enlarged ; paratype BMNH 1854.12.4.841/1, consists of one valve.
- guarayana* Orbigny, *Monocondylaea* : 1835, Mag. de Zool., p. 38 (Rio San Miguel, Guarayos [Chiquitos], Boliviana) ; 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 614, pl. 68, figs. 4-7. Holotype BMNH 1854.9.4.17 ; paratypes BMNH 1854.9.4.17/1-3.
- guatybae* "Ihering" Simpson, *Unio* : 1914, Descr. Cat. Naiades, **3** : 1312 [nomen nudum]. Specimens under this name, BMNH 1891.14.13.34-37 were distributed by Ihering but never described.
- gubernaculum* Reeve, *Unio* : 1865, Conch. Iconica, **16**, *Unio*, pl. 28, species 146 (Hab. ?, Cuming colln.). Holotype BMNH 1965203 ; paratype BMNH 1965204.
- guppyi* E. A. Smith, *Unio* : 1885, Proc. Zool. Soc. London, p. 608, pl. 37, fig. 88a, b (Shortland Island, Solomon Islands). Figured holotype BMNH 1885.11.3.461 ; paratypes BMNH 1885.11.3.462-5.
- hanleyana* Sowerby, *Castalia* : 1869, Conch. Iconica, **17**, *Castalia*, pl. 1, species 5 (Hab. ?, Hanley colln.). Holotype BMNH 1900.3.19.5.
- hargerii* E. A. Smith, *Mutela* : 1908, Proc. Mal. Soc. London, **8** : 14, text fig. (Lake Mweru, Central Africa). Holotype BMNH 1907.11.11.55, consists of the one valve on which the description was based.
- harlandi* Baird and H. Adams, *Unio* : 1867, Proc. Zool. Soc. London, p. 492, pl. 26, fig. 3, 3a (Shanghai, North China). Figured holotype BMNH 1965222.
- herculeus* Sowerby, *Anodon* : 1867, Conch. Iconica, **17**, *Anodon*, pl. 3, species 7 ([Tago, Japan] Cuming colln.). Holotype BMNH 1965200, consists of one valve.
- hermosus* Bourguignat, *Unio* : 1889, Bull. Soc. Mal. de France, **6** : 38, new name for *Unio nyassaensis*, var. E. A. Smith 1881, Proc. Zool. Soc. London, p. 298, pl. 34, fig. 34b (Lake Nyassa). Holotype BMNH 1880.12.20.130, consists of one valve ; 2 paratypes BMNH 1880.12.20.131.
- hians* Sowerby, *Anodon* : 1867, Conch. Iconica, **17**, *Anodon*, pl. 4, species 8 (Hab. ?, Cuming Colln.). Holotype BMNH 1965205 ; paratype BMNH 1965206.
- horda* Gould, *Anodon* : 1855, Proc. Boston Soc. Nat. Hist., **5** : 299 (Comanche Creek, [Tributary of the Llando River, close to the present site of Mason, Mason Co.], Texas [teste Taylor, 1967, Veliger, **10** : 153]). Measured holotype USNM 678301 ; paratype BMNH 196465, figured by Sowerby, 1867, Conch. Iconica, **17**, *Anodon*, pl. 18, species 66, Cuming colln.
- horei* E. A. Smith, *Unio* : 1880, Ann. and Mag. Nat. Hist. (5) **6** : 429 (Lake Tanganyika [Central Africa]) ; 1881, Proc. Zool. Soc. London, p. 299, pl. 34, fig. 37. Holotype BMNH 80.12.20.42.
- humilior* Martens, *Unio scutum* : 1899, Archiv. für Natur., **1** : 45, pl. 5, fig. 1 (Chindwinfluss bei Kalewa und in einem Nebenfluss desselben, dem Yufluss [Burma]). 4 paratypes BMNH 99.6.21.6-9.
- hylaes* Orbigny, *Unio* : 1835, Mag. de Zool., p. 36 (provincia Chiquitensi, republica Boliviana) ; 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 607, pl. 69, figs. 8-9 (Santa Cruz de la Sierra et de Chiquitos en Bolivia, principalement dans les rivières nommées Palometas, Pari, et Tucabaca). Holotype BMNH 1854.12.4.843, from Chiquitos ; paratype BMNH 1854.12.4.843/1, consists

- of one valve. Paratypes BMNH 1854.12.4.842 consists of two complete specimens and three odd valves from Santa-Cruz.
- impressa** Anthony, *Alasmodon* : 1865, Amer. Jour. Conch., **1** : 157, pl. 12, fig. 4 (Tennessee). Holotype MCZ 150666 ; 3 paratypes BMNH 1965152.
- indicus** Sowerby, *Unio* : 1866, Conch. Iconica, **16**, *Unio*, pl. 40, species 222 (India, Cuming colln.). Figured holotype BMNH 1965195 ; paratype BMNH 1965196.
- inflata** Orbigny, *Castalia* : 1835, Mag. de Zool., p. 43 (var. a, *rotunda*, provincia Corrientesensi, republica Argentina ; var. b, *elongata*, provincia Chiquitensi, republica Boliviana). Is *Castalia ambigua* Lamarck, teste, Orbigny, 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 598, pl. 72, figs. 4-7 ; 2 syntypes BMNH 1854.12.4.854, both figured.
- inornatus** Reeve, *Unio* : 1865, Conch. Iconica, **16**, *Unio*, pl. 29, species 147 (Cambodia, Cuming and Hanley collns.). Holotype BMNH [not catalogued] ; specimens from Hanley in ANSP 41673. Non *Unio inornatus* Lea 1856, changed to *Unio verus* by Lea, 1870, *Synopsis Unio*, p. 46.
- introrugatus** Connolly, *Unio* : 1931, Ann. and Mag. Nat. Hist., (10) **8** : 320, pl. 12, figs. 6-9 (Uganda : Victoria Nyanza). Holotype BMNH 1930.12.3.362 ; paratype BMNH 1930.12.3.363 and 1937.12.30.1327.
- involutus** "Benson" Hanley, *Unio* : 1856, Cat. Bivalve Shells, p. 385, pl. 23, fig. 17 (Assam, Hanley colln.). Figured holotype BMNH 1968656.
- iridella** Pilsbry and Frierson, *Lampsilis* : 1907, Nautilus, **21**, pl. 12, two lower right hand figs., 1908, *Ibid.* **22** : 81 (Valles, [San Louis Potosi Prov.] Mexico). Holotype ANSP 93810a ; paratype BMNH 1908.12.17.5.
- irisans** Marshall, *Anodontites* : 1926, Proc. United States Natl. Mus., **69** : 10, pl. 2, fig. 35 ; pl. 3, fig. 7 (Venezuela). Holotype USNM 359920 ; 2 paratypes BMNH 1926.2.3.29-30.
- japanensis** Lea, *Unio* : 1859, Proc. Acad. Nat. Sci. Phila., **11** : 153 (Japan, Cuming colln.) ; Lea, 1860, Jour. Acad. Nat. Sci. Phila. (2) **4** : 244, pl. 36, fig. 123 ; Lea, 1860, Obs. *Unio*, **7** : 62. Holotype BMNH 1965181.
- javana** Sowerby, *Anodon* : 1867, Conch. Iconica, **17**, *Anodon*, pl. 11, species 33 (Japan [error for Java *vide* original label] from Von dem Busch ; Cuming colln.). 3 syntypes BMNH 1965213, none agree exactly with the figure.
- johnstoni** E. A. Smith, *Unio (Metaptera)* ; 1893, Proc. Zool. Soc. London, p. 640, pl. 59, figs. 18-20 (Lake Mweru, British Central Africa). Figured holotype BMNH 93.8.23.100 ; paratype BMNH 93.8.23.101.
- jourdyi** Morlet [sic], *Anodonta* : 1886, Jour. de Conch., **34** : 76, pl. 15, fig. 1, 1a (Tonkin [North Vietnam] Environs de Lang-son, Chu). Syntype BMNH 1893.2.4.1395.
- kelletii** Sowerby, *Anodon* : 1867, Conch. Iconica, **17**, *Anodon*, pl. 19, species 71 (Hab. ?, Cuming colln.). Holotype BMNH 1964392.
- kirkii** Lea, *Unio* : 1864, Proc. Acad. Nat. Sci. Phila., **16** : 108 (Lake Nyassa, Central Africa, John Kirk) ; Lea, 1866, Jour. Acad. Nat. Sci. Phila. (2) **6** : 32, pl. 12, fig. 30 ; Lea, 1867, Obs. *Unio*, **11** : 36. Holotype USNM 84056 ; 2 separate valves BMNH 1965154, ex. Cuming colln. ; 2 specimens from Kirk's lot, but not seen by Lea, BMNH 62.9.25.7.
- laevis** Haas, *Ptychorhynchus* : 1910, Ann. and Mag. Nat. Hist. (8) **6** : 498 (Saghalim Island [Siberia]). Holotype Senckenberg Mus. 3626 ; 2 paratypes BMNH 1912.8.16.127-8 ; all ex Sowerby and Fulton.
- lampreyanus** Baird and Adams, *Unio* : 1867, Proc. Zool. Soc. London, p. 491, pl. 26, fig. 2 (Shanghai, North China). Figured holotype BMNH 67.5.13.16, also refigured by Sowerby 1868, Conch. Iconica, **16**, *Unio*, pl. 87, fig. 469, consists of one valve.
- lananensis** Frierson, *Quadrula* : 1901, Nautilus, **15** : 75, pl. 4. (Lanana and Banita Creeks near Nacogdoches [Nacogdoches Co.] Texas). Figured holotype ANSP 81561a ; 2 paratypes BMNH 1905.8.15.28-29.
- lanceolata** Lea, *Triquetra* : 1856, Proc. Acad. Nat. Sci. Phila., **8** : 79 (China?). Measured holotype USNM 83884. Changed by Lea to *Triquetra contorta*, 1856, Proc. Acad. Nat. Sci. Phila., **8** : 301 ; Lea, 1857, Jour. Acad. Nat. Sci. Phila. (2) **3** : 319, pl. 33, fig. 3 ; figured

- specimen BMNH 1964400 Shanghai [China], Cuming colln. Lea, 1857, Obs. Unio, **6**: 39. Refigured by Sowerby, 1869, Conch. Iconica, **17**, *Hyria*, pl. 1, species 2, figs. a–b.
- laosensis** Lea, *Unio*: 1863, Proc. Acad. Nat. Sci. Phila., **15**: 190 (Laos Mountains, Cambodia, Siam, from Mouhot in Cuming colln.); Lea, 1866, Jour. Acad. Nat. Sci. Phila. (2) **6**: 63, pl. 21, fig. 61; Lea, 1867, Obs. Unio, **11**: 67. Holotype USNM 86160. A supposed paratype figured by Sowerby, 1866, Conch. Iconica, **16**, *Unio*, pl., 47 species 256, BMNH 1964353, this lot also contains two other specimens which were not seen by Lea, who had but two specimens before him.
- latialata** Sowerby, *Hyria*: 1869, Conch. Iconica, **17**, *Hyria*, pl. 2, fig. 4 (British Guayana). Holotype BMNH 41.4.29.92; paratypes BMNH 41.3.6.30 and 41.3.6.33.
- layardii** Lea, *Unio*: 1859, Proc. Acad. Nat. Sci. Phila., **11**: 153 (Ceylon, from F. Layard, in Cuming colln.); Lea, 1860, Jour. Acad. Nat. Sci. Phila. (2) **4**: 243, pl. 36, fig. 122; Lea, 1861 Obs. Unio, **7**: 61. Holotype BMNH 1965159. This was the only specimen seen by Lea.
- legumen** Martens, *Anodonta*: 1888, Sitzber. Gesell. Natur. Freunde, Berlin, p. 65 (Banhados de S. Leopoldo, Prov. Rio Grande do Sul [Brazil]). Syntype BMNH 91.4.13.56.
- limnoica** Orbigny, *Anodonta*: 1835, Mag. de Zool., p. 40 (Lagunis, Provincia Corrientesensi, republica Argentina); 1846, Voy. Amér. Mérid., **5**, pt. 3, pl. 79, figs. 1–3. Holotype BMNH 1854.9.4.26; 4 paratypes BMNH 1854.9.4.26/1–4 all labeled, “Mayloya Corrientes.”
- linguaeformis** Morelet, *Anodonta*: 1875, Séries Conch., pt. 4, p. 329, pl. 14, fig. 5 (Cambodge, probablement dans les marécages voisins de Battambang). Holotype BMNH 93.2.4.612; 3 paratypes BMNH 93.5.12.19–21.
- luapulaensis** Preston, *Unio* (*Nodularia*): 1913, Rev. Zool. Africaine, **3**: 60, pl. 4, fig. 11 (Confluence of the Lukulu and Luapula Rivers, Belgian Congo). 2 paratypes BMNH 1913.7.30.24.
- lucasii** Morelet, *Anodon*: 1851, Jour. de Conch., **2**: 359 (les marécages boisés de La Calle [Algeria]). Measured holotype BMNH 93.2.4.1950 Pl. 1. fig. 2.; paratype [not found] figured by Sowerby, 1867, Conch. Iconica, **17**, *Anodon*, pl. 17, species 64, sent to Cuming by Morelet. This appears to be a description of the shell figured, but not described, by Deshayes, 1848, Explor. Sci. de l’Algerie, Zool., **1**, pl. 108, figs. 1–2. If so, Deshayes’ named figure is a sufficient indication to afford him priority.
- lucida** Orbigny, *Anodonta*: 1836, Mag. de Zool., p. 40 (Banda orientali, republica Uruguayensi orientali); 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 620, pl. 79, figs. 4–6 (la rivière dite Canelon grande, Uruguay). Holotype BMNH 1854.12.4.834; 3 paratypes BMNH 1854.12.4.834/1–3 from the same lot labeled, “Rio del Rosario, Banda Orientali.”
- lukuluensis** Preston, *Mutela*: 1913, Rev. Zool. Africaine, **3**: 61, pl. 6, fig. 4 (Confluence of the Lukulu and Luapula Rivers, Belgian Congo). Paratype BMNH 1913.7.30.16.
- lurulentus** Morelet, *Anodon*: 1849, Testacea Novissima, **1**: 28 (in paludibus fluvii Usumasinta [Peten Prov., Guatemala]). Measured holotype BMNH 93.2.4.2003, figured by Fischer and Crosse, 1894, Miss. Sci. au Mexique, pt. 7, **2**: 523, pl. 64, fig. 6; 2 paratypes BMNH 93.2.4.2004–5. The original label reads, “Marais de San Geronimo” [Yucatan, Mexico].
- macilenta** Morelet, *Anodonta*: 1845, Moll. de Portugal, p. 102, pl. 11 (à une lieue de Coimbre, dans de profonds marécages voisins du Mondégo et connus sous le nom de Val de Géria [Portugal]). Syntype BMNH 93.2.4.1678.
- mainwairingi** “Nevill” Preston, *Unio*: 1912, Records Indian Mus., Calcutta, **7**: 306 (Siliguri; also Namtsik, Diha[ong] [River]). Holotype Indian Mus., figured by Preston 1915, Fauna of British India, Pelecypoda, p. 191, fig. 24; 5 paratypes BMNH 91.3.6.3–7.
- mandarinus** Morelet, *Unio*: 1864, Jour. de Conch., **12**: 159 (Cochinchina [South Vietnam]); 3 syntypes BMNH 93.2.4.1971–3; Morelet, 1875, Séries Conch., pt. 4, p. 354, pl. 17, fig. 2. Listed as a synonym of *U. scobinatus* Lea.
- mandelayensis** Theobald, *Unio*: 1874, Jour. Asiatic Soc. Bengal, **42** (2): 208, pl. 17, fig. 2 (prope Mandelay, regno Birmanico). Figured holotype BMNH 1888.12.4.2018; paratype BMNH 1888.12.4.2019, figured by Hanley and Theobald, 1876, Conch. Indica, p. 62, pl. 154, fig. 4.

- marocana** Pallary, *Margaritana* : 1918, Bull. Soc. Hist. Nat. Afrique du Nord. **9** : 152 (l'oued Fès [Maroc]). 2 syntypes BMNH 1937.12.30.13034-13035.
- marteli** Pallary, *Unio* : 1918, Bull. Soc. Hist. Nat. Afrique du Nord, **9** : 151 (La Makina à Fès [Maroc]). 2 syntypes BMNH 1937.12.30.13036-13037.
- martensi** Ihering, *Castalina* : 1893, Archiv für Natur., **59** (1) 81, pl. 3, fig. 5 (Rio Camaquam, Rio Grande do Sul, Brazil). Lectotype Senckenberg Mus. 3785, selected by Haas, 1931, Senckenbergiana **13**: 41; 2 paralectotypes BMNH 91. 4. 13. 57-58.
- mashonae** Preston, *Unio* : 1910, Ann. and Mag. Nat. Hist. (8) **6** : 61, pl. 4, fig. 10 (a slit about 16 miles from Eukeldoorn, Mashonaland [South Rhodesia]). Holotype BMNH 1910.1.15.6; paratypes BMNH 1910.1.15.7-12.
- massini** Morelet, *Unio* : 1864, Jour de Conch., **12** : 288 (Cochinchina [South Vietnam]). Holotype BMNH 93.2.4.1590, figured by Morelet, 1875, Séries Conch., pt. 4, p. 348, pl. 15, figs. 1, 3; 2 paratypes BMNH 93.2.4.1591-2.
- matoniana** Orbigny, *Unio* : 1835, Mag. de Zool., p. 35 (Rio de la Plata, republica Argentina). Is *Unio variabilis* Wood, *teste* Orbigny, 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 604, pl. 71, figs. 1-3. Holotype BMNH 1854.9.4.50; paratypes BMNH 1854.9.4.50/1-9.
- mauritanus** Lea, *Unio* : 1859, Proc. Acad. Nat. Sci. Phila., **11** : 152 (Island of Mauritius, Cuming colln.); Lea, 1860, Jour. Acad. Nat. Sci. Phila. (2) **4** : 257, pl. 40, fig. 138; Lea, 1860, Obs. *Unio*, **7** : 75. Holotype BMNH 1965157.
- melleus** Lea, *Unio* : 1859, Proc. Acad. Nat. Sci. Phila., **11** : 152 (*Hab.*? [Mexico or Central America], Cuming colln.); Lea, 1860, Jour. Acad. Nat. Sci. Phila. (2) **4** : 250, pl. 38, fig. 129; Lea, 1860, Obs. *Unio*, **7** : 68; Reeve, 1865, Conch. Iconica, **16**, *Unio*, pl. 21, species 92. Holotype BMNH 1965175; also a smaller specimen BMNH 1965176, not seen by Lea.
- menzieianus** "Gray" Reeve, *Unio* : 1865, Conch. Iconica, **16**, *Unio*, pl. 29, species 152 (New Zealand, Cuming colln.). BMNH [lost] [*is Unio menziesi Gray*].
- menziesi** Gray, *Unio* : 1843, [in] Dieffenbach, Travels in New Zealand **2** : 257 (Lake Taupo, North Island, New Zealand, restricted by Dell, 1953, Trans. Royal Soc. New Zealand, **81** : 229). Holotype BMNH 42.5.17.170, figured by McMichael and Hiscock, 1958, Australian Jour. Marine and F. W. Res., **9**, pl. 14, figs. 1-2.
- merdiger** Reeve, *Unio* : Conch. Iconica, **16**, *Unio*, pl. 28, species 145 (Hungary, Cuming colln.). Holotype BMNH 1964161.
- mexicanus** Sowerby, *Unio* : 1867, Conch. Iconica, **16**, *Unio*, pl. 55, species 281 (Mexico, Taylor colln.). Holotype BMNH 79.2.26.249.
- micans** Anthony, *Anodon* : 1865, Amer. Jour. Conch., **1** : 162, pl. 16, fig. 1 (Texas). Holotype MCZ 187290; paratype BMNH 1968652 figured by Sowerby 1867, Conch. Iconica, **17**, *Anodon*, pl. 15, species 53.
- micropterus** Morelet, *Unio* : 1866, Jour. de Conch., **14** : 63 (in torrentibus montanis Cambodidae). Measured holotype BMNH 93.2.4.1596, figured by Morelet, 1875, Séries Conch., pt. 4, p. 349, pl. 15, fig. 6 (the figure is reduced); paratype BMNH 93.2.4.1597.
- minuana** Orbigny, *Monocondylaea* : 1835, Mag. de Zool., p. 37 (Uruguayensis orientali republica); 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 612, pl. 70, figs. 8-10 (dans les rivières de Canelon Grande et del Rosario, dans la Banda oriental do la Plata, Uruguay). Holotype BMNH 1854.9.4.17; 2 paratypes BMNH 1854.9.4.27/1-2.
- misellus** Morelet, *Unio* : 1865, Jour. de Conch. **13** : 21 ([Salaburi] Siam). Holotype BMNH 93.2.4.1593, figured by Morelet, 1875, Séries Conch., pt. 4, p. 341, pl. 14, fig. 2; 2 paratypes BMNH 93.2.4.1994-5.
- moretonicus** Sowerby, *Unio* : 1865, Conch. Iconica, **16**, *Unio*, pl. 24, species 118 (Moreton Bay, Australia). Holotype BMNH 1958.5.16.1.
- morini** Morelet, *Unio* : 1851, Testacea Novissima, **2** : 25 (flumen Usumasinta [Peten Prov., Guatemala]). Measured holotype BMNH 93.2.4.2026, figured by Fischer and Crosse, 1894, Miss. Sci. au Mexique, pt. 7, **2** : 576, pl. 60, fig. 2, pl. 67, fig. 4.
- mouhoti** Lea, *Monocondylaea* : 1863, Proc. Acad. Nat. Sci. Phila., **15** : 190 (Laos Mountains, Cambodia, Siam); changed without explanation to:
- mouhotiana** Lea, *Monocondylaea* : 1866, Jour. Acad. Nat. Sci. Phila. (2) **6** : 65, pl. 21, fig.

- 62; Lea, 1867, Obs. Unio, **11**: 69. Holotype USNM 86339; paratype BMNH [not catalogued].
- mucidus** Morelet, *Unio*: 1845, Moll. de Portugal, p. 111, pl. 14, fig. 3 (La Taméga, le Cavado et la Lima [Rivers, Portugal]). Holotype BMNH 93.2.4.1974; paratype BMNH 93.2.4.1975, both from le Cavado. The holotype is the measured specimen. The figure appears to be a composite of both specimens; 2 additional paratypes BMNH 93.2.4.1979-80 from Rio Taméga and Mondago.
- mutabilis** Lea, *Unio*: 1859, Proc. Acad. Nat. Sci. Phila., **11**: 152 (Brisbane water, Australia; New Zealand, H. Cuming; Murray River, Australia, W. Newcomb); Lea, 1860 Jour. Acad. Nat. Sci. Phila. (2) **4**: 248, pl. 38, fig. 127; Lea, 1860, Obs. Unio, **7**: 60. Figured holotype BMNH [lost] from New Zealand. Lectotype, here selected, BMNH 1965153 from Brisbane water, figured by Reeve, 1865, Conch. Iconica, **16**, *Unio*, pl. 24, species 112. It was refigured by McMichael and Hiscock, 1958, Australian Jour. Mar. F. W. Res., **9**: 449, pl. 11, fig. 11; paralectotype USNM 85815, *Ibid.*, pl. 11, figs. 8-9; paralectotype USNM 84405, from Murray River.
- mweruensis** E. A. Smith, *Unio*: 1908, Proc. Mal. Soc. London, **8**: 13, text figs. (Lake Mweru, Central Africa). Figured syntype BMNH 1907.11.11.34; also syntypes BMNH 1907.11.33.35-49.
- navigioliformis** Lea, *Unio*: 1859, Proc. Acad. Nat. Sci. Phila., **11**: 152 (Hab. ?, Cuming colln.); Lea, 1860, Jour. Acad. Nat. Sci. Phila. (2) **4**: 248, pl. 37, fig. 124; Lea, 1860, Obs. Unio, **7**: 63. Holotype, and only specimen seen by Lea, not found in the BMNH or in the USNM.
- nehringi** Ihering, *Castalina*: 1893, Archiv. für Natur., **59**(1): 75, pl. 3, fig. 4 (Rio Piracicabo, São Paulo, Brazil). Lectotype Senckenberg Mus. 3787, selected by Haas, 1931, Senckenbergiana **13**: 41; paralectotype BMNH 1891.4.13.116.
- nehringi** Ihering, *Glabaris*: 1893, Archiv für Natur., **59**(1): 60 (Rio St. Maria, Rio Grande do Sul; [Rio] Piracicaba, São Paulo, Brazil). 3 paratypes BMNH 1891.4.13.107-109.
- nopalatensis** Sowerby, *Anodon*: 1867, Conch. Iconica, **17**, *Anodon*, pl. 16, species 58 (River Nopalata, Mexico). Holotype BMNH 1965189, consists of opposite of figured valve only.
- novae-hollandiae** Gray, *Unio*: 1834, Proc. Zool. Soc. London, pt. 2, p. 57 (in novae Hollandiae flumine Macquarrier [probably Port Macquarie, Hastings River, N. coast of New South Wales]). Syntypes BMNH 1880.4.10.6-7, consisting of 2 left valves, figured by McMichael and Hiscock 1958, Australian Jour. Mar. and F. W. Res., **9**: 474, pl. 15, figs. 1-2.
- nyassae** Sowerby, *Unio*: 1866, Conch. Iconica, **16**, *Unio*, pl. 41, species 224, figs. a, b (Lake Nyassa, [Central Africa] Cuming colln.). BMNH [lost].
- nyassaensis** Lea, *Spatha*: 1864, Proc. Acad. Nat. Sci. Phila., **16**: 109 (Lake Nyassa, Central Africa, John Kirk); Lea, 1866, Jour. Acad. Nat. Sci. Phila. (2) **6**: 36, pl. 13, fig. 33; Lea, 1867, Obs. Unio, **11**: 40. Holotype USNM 86777; specimen from Kirk's lot, but not seen by Lea, BMNH 1864.5.14.1.
- nyassaensis** Lea, *Unio*: 1864, Proc. Acad. Nat. Sci. Phila., **16**: 108 (Lake Nyassa, Central Africa, John Kirk); Lea, 1866, Jour. Acad. Nat. Sci. Phila. (2) **6**: 33, pl. 12, fig. 32; Lea, 1867, Obs. Unio, **11**: 40. Holotype USNM 84057; specimen from Kirk's lot but not seen by Lea, BMNH 1864.5.14.3.
- obesa** Hanley and Theobald, *Unio marginalis*: 1872, Conch. Indica, p. 20, pl. 43, fig. 3 (River Irawadi, Birmah). Figured holotype BNMH 1907.12.30.46; idiochrome BMNH 88.12.4.1642, from Tonyhu, Pegu ex Theobald.
- obicularis** Morelet, *Monocodylus*: 1866, Rev. et Mag. de Zool. (2) **18**: 167 (no locality [Battambang, Cambodje]). Measured holotype BMNH 93.2.4.1982, figured by Morelet, 1875, Séries Conch., pt. 4, p. 338, pl. 16, fig. 5, the figure is slightly enlarged.
- obliqua** Longstaff, *Nodularia (Caelatura) parreysii*: 1914, Jour. Linn. Soc. London, **32**: 255, pl. 18, fig. 11 (White Nile River at Tawili, Masran Island and Melût, Southern Sudan). Figured holotype BMNH 1923.6.8.1214, from Melût.
- obliquiradiatus** Reeve, *Unio*: 1865, Conch. Iconica, **16**, *Unio*, pl. 29, species 151 (Hab. ?, Cuming colln.). BMNH [lost].

- obliterata* Fischer and Crosse, *Unio scutulatus* : see under *scutulatus* Morelet, *Unio*.
- oleivorus* Heude, *Mycetopus* : 1877, Conch. Fluv. Nanking, pt. 3, pl. 22, fig. 46 ; pl. 23, fig. 48 (La Hoai supérieure, département de Ing-tch'ou [China]). BMNH 99.4.22.69, labeled Ngan-houé, from R. P. Heude in 1878, ex A. Morelet colln. Not a primary type.
- ortmanni* Frierson, *Unio* : 1913, Nautilus, **27** : 14, pl. 2 (Conchins River, near Quirigua, Guatemala [Atlantic Drainage]). Figured holotype ANSP 177544a ; 3 paratypes BMNH 1914.1.7.305-307.
- ostreatus* Morelet, *Unio* : 1849, Testacea Novissima, **1** : 29 (flumen Usumasinta [Peten Prov., Guatemala]). Measured holotype BMNH 94.3.22.2, figured by Fischer and Crosse, 1894, Miss. Sci. au Mexique, pt. 7, **2** : 573, pl. 63, fig. 3, pl. 70, fig. 4.
- ovata* Sowerby, *Castalia* : 1869, Conch. Iconica, **17**, pl. 1, species 4 (Brazil, Orbigny colln.). Holotype BMNH 1964402.
- ozarkensis* Call, *Unio* : 1887, Proc. United States Natl. Mus., **10** : 498, pl. 27 (Currant River, Shannon Co., Missouri, and in Jack's Fork and Big Creek, tributaries of it). Holotype MCZ 5707 ; paratype BMNH 98.2.1.41, localities not separated.
- pahangensis* E. A. Smith, *Unio* : 1899, Proc. Mal. Soc. London, **3** : 315, text fig. (Pahang River, Malay Peninsula). Figured holotype BMNH 99.9.4.1.
- paivaeanus* Morelet, *Unio* : 1865, Jour. de Conch., **13** : 227 (Siam [rivière Saraburi]). Holotype BMNH 93.2.4.1738, figured by Morelet, 1875, Séries Conch., pt. 4, p. 353, pl. 17, fig. 7, where it is listed as a synonym of *U. rusticus* Lea.
- pajakomboensis* Bullen, *Unio* : 1906, Proc. Mal. Soc. London, **7** : 15, pl. 2, figs. 9-11 (River at Pajakombo, Sumatra). Figured holotype BMNH 1906.1.16.52.
- pallaryi* Longstaff, *Nodularia (Lanceolaria) teretiusscula* : 1914, Jour. Linn. Soc., London, **32** : 256, pl. 18, figs. 12-14 (White Nile River, Mogran, Southern Sudan). Figured holotype BMNH 1923.6.8.1214.
- pallegoixi* Sowerby, *Anodon* : 1865, Conch. Iconica, **17**, *Anodon*, pl. 8, species 18, fig. 17 (Siam, Cuming colln.). Holotype BMNH 1965193 ; paratype BMNH 1965194.
- pallida* Anthony, *Anodon* : 1865, Amer. Jour. Conch., **1** : 162, pl. 15, fig. 3 (Michigan). Holotype MCZ 161871 ; 3 paratypes BMNH 1965155.
- paludosus* Morelet, *Unio* : 1849, Testacea Novissima, **1** : 30 (paludosa prope San Geronimo Yucataneorum [Mexico]). Measured holotype BMNH 93.2.4.2024, figured by Fischer and Crosse 1894, Miss. Sci. au Mexique, pt. 7, **2** : 559, pl. 59, fig. 3.
- panacoensis* Von dem Busch, *Unio* : 1843 [in] Philippi, Abb. und Besch. Conch., **1** : 75, pl. 2 (flumen Panaco prope Tampico [Mexico]). Paratype BMNH 1965183.
- papyracea* Anthony, *Anodon* : 1865, Amer. Jour. Conch., **1** : 161, pl. 15, fig. 2 (Hab. ? [Potomac River, Virginia]). Holotype MCZ 150656 ; 3 paratypes BMNH 1965151.
- paraguayana* Orbigny, *Monocondylaea* : 1835, Mag. de Zool., p. 37 (Rio Parana [près du village d'Itaty] et Rio Batel, provincia Corrientesensi, republica Argentina) ; 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 612, pl. 70, figs. 5-7. Holotype BMNH 1854.9.4.13 ; 4 paratypes 1854.9.4.13/1-4.
- parchappii* Orbigny, *Monocondylaea* : 1835, Mag. de Zool., p. 38 (Rio Parana, provincia Corrientesensi, republica Argentina) ; 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 613, pl. 68, figs. 1-3 (sous les pierres de la côte du Parana, aux environs d'Itaty, province de Corrientes, Argentine). Holotype BMNH 54.9.4.29 ; 7 paratypes BMNH 1854.9.4.29/1-7.
- parma* "Benson" Sowerby, *Unio* : 1868, Conch. Iconica, **16**, *Unio*, pl. 95, species 514 (Tennasserim, East Indies, Hanley colln.). Figured holotype BMNH 88.12.4.1669 ; refigured by Hanley and Theobald 1876, Conch. Indica, p. 61, pl. 154, fig. 1.
- patagonica* Orbigny, *Unio* : 1835, Mag. de Zool., p. 37 (Rio Negro, Patagonia) ; 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 610, pl. 70, figs. 1-4. Figured holotype BMNH 1854.12.4.850 ; 7 paratypes BMNH 1854.12.4.850/1-7 ; 5 smaller paratypes BMNH 1854.12.4.851.
- pellis-lacerti* Morelet, *Unio* : 1865, Jour. de Conch., **13** : 27 (Siam [dans le rivière de Saraburi ; Cambodge, dans celle de Battambang, et en Cochinchine, près de Mitho]). Holotype BMNH 93.2.4.1969, figured by Morelet, 1875, Séries Conch., pt. 4, p. 356, pl. 17, fig. 5, paratypes BMNH 93.2.4.1966-8 and 1970, all from the first locality.

- persulcatus** Lea, *Unio* : 1859, Proc. Acad. Nat. Sci. Phila., **11** : 153 (Mexico, Hanley colln.) ; Lea, 1860, Jour. Acad. Nat. Sci. Phila. (2) **4** : 255, pl. 40, fig. 135 ; Lea, 1860 Obs. *Unio*, **7** : 73. Holotype BMNH 1900.3.19.22.
- pinei** Wright, *Unio* : 1897, Nautilus, **11** : 40 (unnamed lake in Witthacoochee [Withlacoochee] River region of Hernando Co., Florida). Holotype USNM 150127, figured by Simpson 1900, Proc. Acad. Nat. Sci. Phila., **52** : 80, pl. 3, fig. 1 ; refigured by Johnson 1967, Occ. Papers on Moll., **3** : 8, pl. 10, fig. 5 ; 2 paratypes BMNH 1905.8.15.34-35.
- piracicabana** Ihering, *Unio aethiops* : 1893, Archiv. für Natur., **59** (2) : 102 ([Rio] Piracicaba, São Paulo, Brazil). Holotype Senkenberg Mus. 4031 ; 2 paratypes BMNH 91.4.13.119-120.
- planivalvis** Morelet, *Unio* : 1851, Testacea Novissima, **2** : 24 (in paludibus fluminis Usumasinta vicinis [Peten Prov., Guatemala]). Measured holotype BMNH 93.2.4.2025, figured by Fischer and Crosse, 1894, Miss. Sci. au Mexique, pt. 7, **2** : 560, pl. 59, fig. 2. The original label reads, "Marais de S. Geronimo" [Yucatan, Mexico].
- plexoides** Frierson, *Psoronaias* : 1927, Check List North American Naiades, p. 63. Based on Sowerby, 1868, Conch. Iconica, **16**, *Unio*, pl. 64, species 324 (Siam, Taylor colln.). Not known if ever in BMNH.
- plicatulus** Lea, *Unio* : 1859, Proc. Acad. Nat. Sci. Phila., **11** : 152 (Borneo, Cuming colln.) ; Lea, 1860, Jour. Acad. Nat. Sci. Phila. (2) **4** : 247, pl. 37, fig. 126 ; Lea, 1860, Obs. *Unio*, **7** : 65. Holotype BMNH 1965156.
- plicatus** Leach, *Dipas* ; 1814, Zool. Miscellany, **1** : 120, pl. 55 (Hab. ?, British Museum). Holotype BMNH 1952.5.10.1 from the Hans Sloane colln., consisting of two unmatched valves, refigured by Wilkins, 1953, Bull. Brit. Mus. Nat. Hist., Hist. Ser., **1** : 40, pl. 12.
- plicatus** Sowerby, *Mycetopus* : 1868, Conch. Iconica, **16**, *Mycetopus*, pl. 2, species 3 (Hab. ?). Holotype BMNH 46.7.24.18 ; paratype BMNH 46.7.24.19.
- pliciferus** Reeve, *Unio* : 1864, Conch. Iconica, **16**, *Unio*, pl. 10, species 37 (Mexico, Cuming colln.). BMNH [lost].
- pliculosus** Martens *Unio* : 1894, Sitzber. Gesell. Natur. Freunde, Berlin, p. 216 (Singei [Prov. Hwanghaido] (a) und zwischen Okkwa und Chhangpyöng (b) ersteres im südlichen letzteres im nördlichen Teil von Korea) ; Martens, 1905, Zool. Jahrb., Suppl. 8, p. 61, pl. 3, figs. 3, 3b. Paratype BMNH 94.11.24.8, from locality (b).
- praestriata** Fischer and Crosse, *Unio crocodilorum* : see under *crocodilorum* Morelet, *Unio*.
- pressorstris** Martens, *Unio* : 1900, Natur. Deutschen Mal. Ges., **32** : 14 (Lake Danau-Baru, Indragiri, Sumatra). Measured holotype figured by Haas 1914, [in] Martini and Chemnitz, Conch. Cabinet (2) **9**, pt. 2, sec. 2, p. 227, pl. 27, fig. 1 ; paratype BMNH 1901.6.14.4.
- prolongata** Fischer and Crosse, *Unio calamitarum* : 1894, Miss. Sci. au Mexique, pt. 7, **2** : 613, pl. 63, figs. 5, 5a ([Mexico] Morelet colln.). Figured holotype BMNH 93.2.4.2009.
- psammoica** Orbigny, *Unio* : 1835, Mag. de Zool., p. 35 (Rio Parana, provincia Corrientesensi, republica Argentina) ; 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 608, pl. 71, figs. 4-7 (la Parana, près du village d'Itaty, bien au-dessus de Corrientes). Lectotype, here selected BMNH 54.12.4.849, which is the specimen figured on pl. 71, figs. 4-6 ; 2 smaller paralectotypes BMNH 1854.4.12.849/1-2, the smallest specimen is figured on pl. 71, fig. 7.
- psoricus** Morelet, *Unio* : 1851, Testacea Novissima, **2** : 25 (flumen Usumasinta [Peten Prov., Guatemala]). Measured holotype BMNH 93.2.4.2033, figured by Fischer and Crosse, 1894, Miss. Sci. au Mexique, pt. 7, **2** : 572, pl. 61, fig. 3 ; paratype BMNH 93.2.4.2034.
- puelchana** Orbigny, *Anodonta* : 1835, Mag. de Zool., p. 40 (Rio Negro, Patagonia) ; 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 620, pl. 79, figs. 7-9 (les marais de San-Xavier, à six lieues au-dessus du Carmen, sur le Rio Negro, Patagonie). Holotype BMNH 1854.9.4.21 ; 3 smaller paratypes [under same number].
- punctatus** Preston, *Mycetopus* : 1909, Ann. and Mag. Nat. Hist. (8) **3** : 513, pl. 10, fig. 8 (Rio Chemchi, U.S. Columbia). Figured holotype BMNH 1915.1.6.83.
- quadrata** Sowerby, *Castalia* : 1869, Conch. Iconica, **17**, *Castalia*, pl. 2, species 7, figs. a-b (Hab. ?). Figured holotype BMNH 49.1.5.5.
- quadrilatera** Orbigny, *Castalia* : 1835, Mag. de Zool., p. 42 (provincia Moxensi, republica Boliviana) ; 1846, Voy. Amér. Mérid. **5**, pt. 3, p. 599, pl. 73 (Rio de San-Miguel, Guarayos,

- Bolivia). Lectotype, here selected, BMNH 54.9.4.2 the largest specimen figured; figured paralectotype BMNH 1854.9.4.2/1; 6 paralectotypes BMNH 1854.9.4.2/2-7.
- ranarum** Morelet, *Anodonta*: 1845, Moll. de Portugal, p. 104, pl. 12, fig. 2 (affluens de la Guadiana qui descendent des hautes-vallées de l'Algarve entre Mertola et Castro-Verde [Portugal]). Holotype BMNH 93.2.4.1737.
- ravistellus** Morelet, *Unio*: 1849, Testacea Novissima, 1: 29 (in lacu Yzabal, republicae Guatemalaensis). Measured holotype BMNH 93.2.4.2021, figured by Fischer and Crosse, 1894, Miss. Sci. au Mexique, pt. 7, 2: 509, pl. 61, fig. 4; 2 paratypes BMNH 93.2.4.2022-3.
- recta** Sowerby, *Hyria*: 1869, Conch. Iconica, 17, *Hyria*, pl. 5, species 10 (Hab. ?, Cuming colln.). BMNH [lost].
- rectilinearis** Sowerby, *Unio*: 1868, Conch. Iconica, 16, *Unio*, pl. 65, species 332 (River Columbia [South Africa] Taylor colln.). Holotype BMNH 74.12.11.4.
- regularis** Morelet, *Anodonta*: 1845, Moll. de Portugal, p. 100, pl. 10 (La Taméga . . . aux environs de Chavès [Portugal]). Syntype BMNH 93.2.4.1679.
- reticulatus** Sowerby, *Anodon*: 1867, Conch. Iconica, 17, *Anodon*, pl. 10, species 27 (River Amazon [Brazil], Cuming colln.). Holotype BMNH 1965208.
- rhuacoica** Orbnigny, *Unio*: 1835, Mag. de Zool., p. 36 (Banda orientali, republica Uruguayensi orientali); 1846, Voy. Amér. Mérid., 5, pt. 3, p. 606, pl. 69, figs. 4-5; pl. 71, figs. 12-14 (un risseau près de Maldonado, et dans le Rio Canelon grande près de Montevideo, Uruguay). Lectotype, here selected, BMNH 1854.12.4.838 specimen figured on pl. 69, figs. 4-5; paralectotypes BMNH 1854.12.4.838/1-3 all from the latter locality.
- riograndensis** Ihering, *Anodonta*: 1890, Archiv. für Natur., 56 (1): 154 ([Rio Camaquam] Rio Grande do Sul; und dem Plata Gebeite, Brazil). Holotype Senkenberg Mus, 3838; 4 paratypes BMNH 91.4.13.15-18, localities not separated.
- robsoni** Frierson, *Parreysia*: 1927, Check List of North American Naiades, p. 44. (East Indies). Name based on shell figured by Reeve, 1866, Conch. Iconica, 16, *Unio*, pl. 36, species 198 as *Unio pumilis* Lea. Holotype BMNH 1965150.
- rosea** Bernardi, *Galatea concamerata*: 1860, Monog. Galatea et Fischeria, p. 20, pl. 3, figs. 1-2 ([Africa] Cuming colln.). BMNH [lost].
- rostratus** Sowerby, *Anodon*: 1867, Conch. Iconica, 17, *Anodon*, pl. 2, species 4 (Lao, Sowerby colln.). 3 syntypes BMNH 1965214 all smaller than figured specimen.
- rotundatus** Reeve, *Unio*: 1865, Conch. Iconica, 16, *Unio*, pl. 23, species 106 (North America, Cuming colln.). BMNH [lost].
- rugatus** Sowerby, *Mycetopus*: 1868, Conch. Iconica, 16, *Mycetopus*, pl. 3, species 7 (Victoria River, Australia). Lectotype BMNH 44.1.12.160, selected by McMichael and Hiscock, 1958, Aust. Jour. Marine and F. W. Res., 9: 433, pl. 9, figs. 1-2.
- sacculus** "Anthony" Reeve, *Unio*: 1864, Conch. Iconica, 16, *Unio*, pl. 15, species 67 (North America, Cuming colln.). BMNH [lost].
- santa-mariae** Simpson, *Diplodon*: 1914, Descr. Cat. Naiades, 3: 1270 (Brazil?). Specimens BMNH 1891.4.13.24-26, from Rio St. Maria, Rio Grande do Sul, Brazil, distributed by Ihering but never described by him.
- scamnatus** Morelet, *Unio*: 1849, Testacea Novissima, 1: 30 ([Rio Las Pazas] Cacajajícara, [Pinar del Rio] Cuba). Lectotype, here selected, BMNH 1893.2.4.1976, labeled, "Rio Tacotaco," [Pinar del Rio] Cuba, plate 2 fig. 3. Length 52, height 34, width 17 mm; paralectotypes BMNH 1893.2.4.1977-78, one of which consists of one valve.
- schadei** Marshall, *Anodontites*: 1943, Jour. Washington Acad. Sci., 24: 78 [unnumbered plate], figs. 4-6 (Tubicuary River, Aroja, Paraguay). Holotype USNM 434732; paratype USNM 434837, the only specimens seen by Marshall, who received them from Fulton; 2 additional specimens BMNH 1934.7.3.20-21.
- schomburgiana** Sowerby, *Castalia*: 1869, Conch. Iconica, 17, *Castalia*, pl. 1, species 3 (British Guayana, Schomberg). Holotype BMNH 1841.1.26.5.
- schomburgianus** Sowerby, *Anodon*: 1870, Conch. Iconica, 17, *Anodon*, pl. 34, species 137 (British Guiana, Schomberg). BMNH [lost].
- schomburgki** Martens, *Anodonta (Lamproscapha)*: 1860, Proc. Zool. Soc. London, 28: 15

- (Siam). Holotype BMNH 59.5.23.8, figured by Haas, 1920, [in] Martini and Chemnitz, Conch. Cab. (2) **9**, pt. 2, sec. 2, p. 296, pl. 36, fig. 4.
- scriptus** Sowerby, *Anodon* : 1867, Conch. Iconica, **17**, *Anodon*, pl. 4, species 9 (Hab. ?, Cuming colln.). Holotype BMNH 1964370.
- scutulatus** Morelet, *Unio* : 1849, Testacea Novissima, **1** : 30 (propre S. Geronimo, Yucatan-eorum [Mexico]). Measured holotype BMNH 93.2.4.2014, figured by Fischer and Crosse, 1894, Miss. Sci. au Mexique, pt. 7, **2** : 561, pl. 59, fig. 4 ; 2 paratypes BMNH 93.2.4.2017-18 BMNH 1893.2.4.2015-16 were also figured, pl. 59, figs. 5 and 6, and named varieties *obliterata* and *secabilis* respectively.
- scutum** Sowerby, *Unio* : 1868, Conch. Iconica, **16**, *Unio*, pl. 94, species 510 (Tenasserium, Hanley colln.). Holotype BMNH 1907.10.28.239.
- secabilis** Fischer and Crosse, *Unio scutulatus* : see under *scutulatus* Morelet, *Unio*.
- semicorrugata** Preston, *Spatha* : 1909, Ann. and Mag. Nat. Hist. (8) **4** : 90, pl. 4, fig. 7 (Lower Congo). Paratype BMNH [not catalogued].
- semigranosus** Reeve, *Unio* : 1864, Conch. Iconica, **16**, *Unio*, pl. 10, species 36 (Mexico, Cuming colln.). Holotype BMNH 196496. *Non Unio semigranosus* Von dem Busch 1845.
- semipustulata** Fischer and Crosse, *Unio crocodilorum* : See under *crocodilorum* Morelet, *Unio*.
- semiquadrata** Sowerby, *Unio* : 1866, Conch. Iconica, **16**, *Unio*, pl. 48, species 258 (Camboja, Lao Mountains, Cuming colln.). BMNH [lost].
- semisulcata** H. Adams, *Monocondylaea (Plagiodon)* : 1870, Proc. Zool. Soc. London, p. 376, pl. 27, fig. 3 (East Peru). Syntype BMNH 1907.10.28.128, smaller than figured specimen.
- senegalensis** Lea, *Anodonta* : 1859, Proc. Acad. Nat. Sci. Phila., **11** : 154 (Senegal, Jay, Verreaux, Cuming) ; Lea, 1860, Jour. Acad. Nat. Sci. Phila. (2) **4** : 260, pl. 41, fig. 140 ; Lea, 1860, Obs. Unio, **7** : 78. Sowerby, 1867, Conch. Iconica, **17**, *Anodon*, pl. 11, species 35. Holotype BMNH 1965167 ; paratype BMNH 1965168.
- senilis** Martens, *Spatha trapezia* : 1897, Bes. Weicht. Deutsch-Ost-Afrikas, p. 244, text fig. (Victoria Nyansa, Nordwestseite, bei Towalio, Buddu Küste, und Insel Soweh in Uganda). Paratype BMNH 1902. 5.26.45. from Buddu Küste.
- servatiniana** Bourguignat, *Gandidieria* : 1885, Bull. Soc. Mal. de France, **2** : 6. Name based on shell figured as *Unio burtoni* Smith 1881, Proc. Zool. Soc. London, p. 297, pl. 34, fig. 33, *non* Woodward 1859. Figured holotype BMNH 80.12.20.21.
- shambiensis** Longstaff, *Nodularia (Caelatura)* : 1914, Jour. Linn. Soc. London, **32** : 253, pl. 18, figs. 4-7 (Lake Shâmbê [Bahrel-Gebel] Southern Sudân). 3 paratypes BMNH 1923.6.8. 1214-16.
- shanghaiensis** Lea, *Unio* : 1859, Proc. Acad. Nat. Sci. Phila., **11** : 153 (Shanghai, China, Cuming) ; Lea, 1860, Jour. Acad. Nat. Sci. Phila. (2) **4** : 242, pl. 36, fig. 121 ; Lea, 1860, Obs. Unio, **7** : 60. Reeve, 1865, Conch. Iconica, **16**, *Unio*, pl. 21, fig. 96. Holotype BMNH 1965171 ; a smaller specimen not seen by Lea BMNH 1965172.
- siculus** Swainson, *Unio* : 1840, Treatise on Malacology, p. 282, fig. 58. Hanley, 1856, Cat. Recent Bivalve Shells, p. 383, Supp. pl. 20, fig. 19 (Lake Leontini, Sicily). Probable syntype BMNH 1907.10.28.255, *fade* Hanley. Probable syntype figured by Sowerby, 1868, Conch. Iconica, **16**, *Unio*, pl. 71, species 255, BMNH 1907.12.30.366 ex Hanley colln.
- sikkimensis** Lea, *Unio* : 1859, Proc. Acad. Nat. Sci. Phila., **11** : 151 (Sikkim, India, Cuming and Hanley) ; Lea, 1859, Jour. Acad. Nat. Sci. Phila. (2) **4** : 251, pl. 39, fig. 131 ; Lea, 1860, Obs. Unio, **7** : 69. Holotype BMNH 1965177 Cuming colln. ; a second specimen not seen by Lea BMNH 1965178 ; paratype BMNH 1900.3.19.23 Hanley colln.
- siliquosus** Orbigny, *Mycetopoda* : 1835, Mag. de Zool., p. 41 (provincia Corrientesensi, republica Argentina ; Santa-Cruz de la Sierra, republica Boliviana) ; 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 601, pl. 67 (le cours de Parana, province de Corrientes, république Argentine ; tous les affluens de l'Amazone, provinces de Santa-Cruz de Chiquitos et de Moxos, république de Bolivia) [not located]. *Non* Spix 1827, *teste*, Ihering 1910, Abh. Senckenb. Ges., **32**, p. 121 and named *Mycetopoda orbignyi*. Paratype BMNH [not located] figured by Sowerby 1868, Conch. Iconica, **16**, *Mycetopus*, pl. 3, species 2, fig. 2a.

- simonis* Tristram, *Unio* : 1865, Proc. Zool. Soc. London, p. 544 (the Jordan, the sea of Galilee, the Orontes and the Leontes (Litany) [Palestine]). Measured holotype BMNH 1936.3.10.6, plate 2 fig. 2 from the Orontes River.
- simplicidus* Sowerby, *Anodon* : 1867, Conch. Iconica, **17**, *Anodon*, pl. 12, species 40 (Hab. ?, Taylor colln.). Not known if ever in BMNH.
- singleyanus* Marsh, *Unio* : 1891, Nautilus, **5** : 29, figured by Simpson, Proc. United States Natl. Mus., **15** : 426, pl. 68, figs. 4, 5 (a small creek near Pilatka [Palatka, Putnam Co.] Florida). Idiotype BMNH 98.2.1.42, from Sumter Co., Florida.
- siribny* Orbigny, *Anodonta* : 1835, Mag. de Zool., p. 40 (var. Major, provincia Chiquitensi, Boliviana ; var. Minor, provincia Corrientesensi, republica Argentina) ; 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 615, pl. 74, figs. 4-6 ; pl. 80, figs. 1-4 (le Rio Canelon Grande, près de Montevideo, du Parana, au-dessus de Corrientes, près du village d'Itaty, Argentina et dans le Rio de San-Miguel, au pays des Guarayos, province de Chiquitos, et dans le Piray, province de Santa-Cruz en Bolivia). Holotype BMNH 54.9.4.9 ; 6 smaller paratypes BMNH 1854.9.4.9/1-6 all from le Rio-San-Miguel au pays des Guarayos, Chiquitos ; 3 paratypes BMNH 1854.9.4.35-36.
- sitifensis* Morelet, *Unio* : 1851, Jour. de Conch., **2** : 360 (l'oued sefsaf, près de Philippeville ; [Algeria]). Lectotype, here selected, BMNH 93.2.4.1965, plate 2 fig. 6, labeled Algerie, "l'oued dehhah, près de Bone [sic]". Length 71, height 33, width 23 mm.
- smithi* Bourguignat, *Grandidieria* : 1885, Bull. Soc. Mal. de France, **2** : 7. Name based on shell figured as *Unio burtoni* Smith 1881, Proc. Zool. Soc. London, p. 297, pl. 34, fig. 33a, non Woodward 1859. Figured holotype BMNH 80.12.20.31.
- sobaensis* Preston, *Nodularia* : 1914, Jour. Linn. Soc. London, **32** : 266, pl. 18, figs. 1-3 (Soba, Blue Nile). Figured holotype BMNH 1923.6.8.1210 ; 2 paratypes BMNH 1923.6.8.1211-1212.
- solenidea* Sowerby, *Anodon* : 1867, Conch. Iconica, **17**, *Anodon*, pl. 18, species 65 (Rio Francisco [Brazil] Cuming colln.). Holotype BMNH 1965201 ; paratype BMNH 1965202.
- soleniformis* Orbigny, *Anodonta* : 1835, Mag. de Zool., p. 41 (no locality) ; 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 617, pl. 74, figs. 1-3 (Iribucua, dans le Parana, bien au-dessus de Corrientes ; et dans le Rio Balel [Argentina]). Holotype BMNH 1854.12.4.857 and paratypes BMNH 1854.12.4.857/1-10, from the first locality.
- soleniformis* Orbigny, *Mycetopus* : 1835, Mag. de Zool., p. 41 (Santa-Cruz de la Sierra, rep. Boliviana) ; 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 601, pl. 66 (Rio Piray, entre Santa-Cruz de la Sierra et la province de Moxos, Bolivia). Holotype BMNH 1854.12.4.859, the figure is slightly reduced ; paratypes BMNH 1854.12.4.859.
- solisiana* Orbigny, *Unio* : 1835, Mag. de Zool., p. 36 (Rio de la Plata, in provincia Buenos-Ayres republica Argentina) ; 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 604, pl. 69, figs. 1-3 (plages sablonneuses de la Plata, aux environs de Buenos-Ayres ; elle y est très-commune, surtout à l'embouchure des petites ruiaux, de ceux de Punta Lara et de Maldonado [Argentina]). Holotype BMNH 1854.9.4.47 ; 11 paratypes BMNH 1854.9.4.48, localities not separated.
- spekii*, Woodward, *Iridina (Pleiodon)* : 1859, Proc. Zool. Soc. London, **27** : 348, pl. 27, fig. 2 (Lake Tanganyika [Central Africa]). Holotype BMNH 1859.12.23.8, refigured by Sowerby 1866, Conch. Iconica, **16**, *Pleiodon*, pl. 1, species 2.
- spheniopsis* Morelet, *Unio* : 1849, Testacea Novissima, **1** : 29 (regiones superiores fluminis Usumasinta [Penten Prov., Guatemala]). Measured holotype BMNH 93.2.4.2028, figured by Fischer and Crosse, 1894, Miss. Sci. au Mexique, pt. 7, **2** : 583, pl. 61, figs. 2, 2a, 2b ; smaller paratype BMNH 93.2.4.2029.
- spixii* Orbigny, *Anodonta* : 1835, Mag. de Zool., p. 39 (Rio-Parana, provincia Corrientesensi, republica Argentina). New name for *Anodon rotundum* Spix ; 1846, Voy. Amér. Mérid., **5**, pt. 3, p. 619, listed as a synonym of *Anodonta trapezum* Spix. BMNH [lost].
- staudingeri* Ihering, *Mycetopus* : 1890 Archiv. für Natur., **56** (1) : 131, figs. a-b (Oberen Amazonas, und seiner Zuflüsse von Ecuador und Peru). Lectotype Senckenberg Mus. 3802, selected by Haas, 1931, Senckenbergiana **13** : 103 ; 3 paratypes BMNH 1902.11.20.3-4 ; 1902.9.2.35

- stuarti** A. Adams and Angus, *Unio* : 1864, Proc. Zool. Soc. London, p. 417 (lagoon, near Mt. Margaret, Central Australia). Holotype BMNH 1870.10.26.40, figured by McMichael and Hiscock, Australian Jour. Marine and F. W. Res., **9**, pl. 2, figs. 10-11.
- subcrassa** Lea, *Anodonta* : 1850, Proc. Zool. Soc. London, p. 198 ; 1851, Ann. and Mag. Nat. Hist., **8** : 495 ; 1859, Jour. Acad. Nat. Sci. Phila. (2) **4** : 236, pl. 33, fig. 115 ; 1860, Obs. Unio, **7** : 54 (Laguna de Bai, Luzon, Philippine Islands, Cuming colln.). Holotype USNM 86693 ; 2 paratypes BMNH 42.5.10.1529 Cuming colln., one figured by Sowerby, 1877, Conch. Iconica, **17**, *Anodon*, pl. 42, species 42.
- subjecta** Iredale, *Centralhyria angasi* : 1934, Australian Zool., **8** : 67, based in part on shell figured by Smith, 1874, Zool. of "Erebus" and "Terror" : Mollusca, p. 3, pl. 4, fig. 2. Selected as lectotype BMNH 40.10.21.29, by McMichael and Hiscock, 1958, Australian Jour. Marine and F. W. Res., **9** : 427, pl. 8, figs. 6-7 (Avon River, Western Australia).
- subreniformis** Sowerby, *Anodon* : 1867, Conch. Iconica, **17**, *Anodon*, pl. 14, species 50 (Lake Nyassa, Cuming colln.). Holotype BMNH 1965192.
- subsinuatus** Sowerby, *Anodon* : 1867, Conch. Iconica, **17**, *Anodon*, pl. 7, species 14 (Hab. ?, Cuming colln.). BMNH [lost].
- subtortus** Baird and Adams, *Unio* : 1867, Proc. Zool. Soc. London, p. 491, pl. 26, figs. 1, 1a (Shanghai, North China). Holotype BMNH 1867.5.18.17, refigured by Sowerby 1868, Conch. Iconica, **16**, *Unio*, pl. 87, species 465.
- subtrigonus** Sowerby, *Unio* : 1867, Conch. Iconica, **16**, *Unio*, pl. 58, species 292 (Siam, Taylor colln.). Holotype BMNH 1874.12.11.3.
- swainsoni** Sowerby, *Unio* : 1868, Conch. Iconica, **16**, *Unio*, pl. 76, fig. 396 (Hab. ?, Hanley colln.). Holotype BMNH 1900.3.19.21.
- swinhoei**, H. Adams, *Anodonta* : 1866, Proc. Zool. Soc. London, p. 446 (Formosa). Probable measured holotype BMNH 78.1.28.200 ; smaller paratype BMNH 78.1.28.201.
- swinhoei** Sowerby, *Unio* : 1866, Conch. Iconica, **16**, *Unio*, pl. 42, species 232 (Camboja, Capt. Swinhoe, Cuming colln.). Holotype BMNH 1968653.
- syriaca** Pallary, *Margaritana* : 1929, Mém. Inst. d'Egypte, **12**, 34, text-fig. (Nahr el-Kébir, 30 km. au Sud de Tartous [Syria]). 2 paratypes BMNH 1937.12.30.13052-3.
- tabascensis** Morelet, *Anodonta* : 1884, Jour. de Conch., **32** : 124 (Marais du Tabasco [Mexico]). Holotype BMNH 93.2.4.2008, figured by Fischer and Crosse, 1894, Miss. Sci. au Mexique, pt. 7, **2** : 530, pl. 62, fig. 1.
- tabula** Sowerby, *Anodon* : 1867, Conch. Iconica, **17**, *Anodon*, pl. 18, species 68 (Sierra Leone, Cuming colln.). Holotype BMNH 1965190 ; paratype BMNH 1965191.
- tanganyicensis** E. A. Smith, *Spatha* : 1880, Proc. Zool. Soc. London, p. 350, pl. 31, figs. 8, 8a. (Lake Tanganyika [Central Africa]). Lectotype, here selected, BMNH 80.3.5.48, specimen in figure 8 ; paralectotypes BMNH 80.3.5.49-53.
- tanganyicensis** E. A. Smith, *Unio* : 1880, Proc. Zool. Soc. London, p. 351, pl. 32, figs. 9, 9a (Lake Tanganyika [Central Africa]). Lectotype, here selected, BMNH 80.3.5.39 specimen in figure 9 ; paralectotypes BMNH 80.3.5.40-47.
- tanganyicensis** E. A. Smith, *Unio nyassaensis* : 1881, Proc. Zool. Soc. London, p. 298, pl. 34, fig. 34a (Lake Tanganyika [Central Africa]). Figured holotype BMNH 1880.12.20.39, consists of one valve ; paratypes BMNH 1880.12.20.40-41, consists of two valves ; 3 paratypes BMNH 1880.12.10.130-131, consists of 3 odd valves.
- tauriformis** Fulton, *Unio (Cumeopsis)* : 1906, Ann and Mag. Nat. Hist. (7) **17** : 246, pl. 9, fig. 9 (Yunnah-fu, Yunnan [China]). Holotype BMNH 1906.5.8.72.
- tavoyensis** Gould, *Unio* : 1843, Proc. Boston Soc. Nat. Hist., **1** : 140 ([Tavoy] British Burmah [Burma]). Measured holotype MCZ 169389 figured by Johnson, 1964, Bull. United States Natl. Mus., 239, p. 156, pl. 32, fig. 4 ; paratypes BMNH 1965184, largest one figured by Reeve, 1864, Conch. Iconica, **16**, *Unio*, pl. 13, species 49.
- tenuis** Lea, *Anodonta* : 1851, Proc. Zool. Soc. London for 1850, pt. 18, p. 198 (Sual, Luzon, Philippine Islands, Cuming) ; Lea 1851, Ann. Mag. Nat. Hist. (2) **8** : 494 ; Lea, 1860, Jour. Acad. Nat. Sci. Phila. (2) **4** : 232, pl. 33, fig. 116 ; Lea, 1860, Obs. Unio, **7** : 55. Lea had 4 specimens before him. The holotype was not found in the BMNH. Paratype BMNH

- 1968654; paratype USNM 86764; 4 specimens under this name, MCZ 175578, ex Cuming. A specimen was figured by Sowerby, 1867, *Conch. Iconica* **17**, *Anodon*, pl. 15, species 55, from the Cuming colln. but it was not the holotype.
- testudineus** Morelet, *Unio*: 1841, *Testacea Novissima*, **1**: 28 (flumen Usumasinta [Petén Prov., Guatemala]). Measured holotype BMNH 94.3.22.1, figured by Fischer and Crosse, 1894, *Miss. Sci. au Mexique*, pt. 7, **2**: 571, pl. 62, fig. 3. The specimen figured by Reeve, 1865, *Conch. Iconica*, **16**, *Unio*, pl. 22, species 101, from the Cuming colln. has Morelet's label, but it is not this species.
- thomsoni** E. A. Smith, *Unio*: 1880 *Ann. and Mag. Nat. Hist.* (5) **6**: 430 (Lake Tanganyika [Central Africa]); Smith, 1881, *Proc. Zool. Soc. London*, p. 299, pl. 34, fig. 36. Holotype BMNH 80.12.20.36; 2 paratypes BMNH 80.12.20.37-38.
- thwait[e]sii** Lea, *Unio*: 1859, *Proc. Acad. Nat. Sci. Phila.*, **11**: 152 (Ceylon, Mr. Thwaites, H. Cuming); Lea, 1860, *Jour. Acad. Nat. Sci. Phila.* (2) **4**: 246, pl. 37, fig. 125; Lea, 1860, *Obs. Unio*, **7**: 64; Reeve, 1865, *Conch. Iconica*, **16**, *Unio*, pl. 23, species 105. Holotype BMNH 1965179. Two smaller specimens not seen by Lea, BMNH 1965180.
- tortuosus** Sowerby, *Unio*: 1868, *Conch. Iconica* **16**, *Unio*, pl. 65, species 330 (Maryland, Taylor colln.). Holotype BMNH 74.12.11.25.
- trapezia** Martens, *Spatha*: 1897, *Bes. Weich. Deutsch-Ost-Afrikas*, p. 243, text fig. (Victoria-Nyansa im Süden bie Bussisi; im Südwesten bei Nyemirembe und Nyamagotso; im Westen bie Bare an der Buddu-Küste; bei Bukoba; Mhugu an der Ostseite des Sees). Paratype BMNH 1902.5.26.44 from the second locality.
- trapezialis** Orbigny, *Iridina*: 1835, *Mag. de Zool.*, p. 43; 1846, *Voyage Amér. Mérid.*, **5**, pt. 3, p. 596, (les bords du Parana, au-dessus de la ville de Corrientes, et aux environs de la Bajada, province d'Entre-Rios, république Argentine), non *Anodonta trapezialis* Lamarck *teste* Orbigny. Not figured by Orbigny and not found in the BMNH.
- triangularis** Sowerby, *Anodon*: 1867, *Conch. Iconica*, **17**, *Anodon*, pl. 15, species 56: (Hab. ?, Cuming colln.). 1870 *Ibid.*, pl. 29, fig. 56b. The second specimen figured, was selected as "Lectotype" BMNH 1968211, by Sowerby, and is the only specimen extant.
- trirostris** Benson, *Unio*: 1863 [in] Hanley, *Photographic Conch.*, pl. 2, fig. 9 (no locality [Hindostan]). Figured holotype BMNH 1907.2.30.45.
- tristis** Morelet, *Unio*: 1845, *Moll. de Portugal*, p. 107, pl. 13, fig. 2 (à peu distance d'Amarante, au bord de la Taméga [Portugal]). Holotype BMNH 93.2.4.1961.
- tsadianus** Martens, *Unio* (*Grandidieria*) 1903, *Sitzber. Gesell. Natur. Freunde, Berlin*, p. 8 (südufer des Tsad-Sees [Borneo]). Paratype BMNH 1904.4.29.17.
- tumens** Haas, *Anodontites lautus*: 1910, *Ann. and Mag. Nat. Hist.* (8) **6**: 499 (Yamashira, Japan). Holotype Senckenberg Mus. 3671, ex. Sowerby and Fulton; 2 paratypes BMNH 1912.8.16.123-4.
- tumidus** Morelet, *Monocondylus*: 1866, *Jour. de Conch.*, **14**: 62 (in torrentibus montanis Cambodiae). Holotype BMNH 93.2.4.1734, figured by Morelet, 1875, *Séries Conch.*, pt. 4, p. 337, pl. 16, fig. 1; 2 paratypes BMNH 93.2.4.1735; 93.2.4.1566.
- tunizana** Morelet, *Anodonta*: 1864, *Jour. de Conch.*, **12**: 156 (La Calle [Tuniza]). Lectotype, here selected, BMNH 1893.2.4.1964, plate 2 fig. 4. Length 55, height 32, width 20 mm.
- turcicus** "Parreiss" [sic] Kuester, *Unio*: 1862 [in] Martini and Chemnitz, *Conch. Cab.* (2) **9**, pt. 2, p. 267, pl. 90, figs. 3-4 (Kleinasien). 2 specimens BMNH 47.5.28.1-2, distributed by Parreys before description by Kuester.
- unicolor** Bernardi, *Galatea kochii*: 1860, *Monog. Galatea et Fischeria*, p. 23, pl. 4, figs. 3-4. ([Central Africa] Cuming colln.). BMNH [lost].
- vaalensis** Chaper, *Unio*: 1885, *Bull. Soc. Zool. France*, **10**: 480, pl. 11, figs. 1-3 (Le Vaal (Afrique australe) auprès de Barclay à peu distance des mines de diamant du Griqualand West) Paratype BMNH 1937.12.30.1314.
- vellicatus** Reeve, *Unio*: 1865, *Conch. Iconica*, **16**, *Unio*, pl. 22, species 103 (Guatemala, Cuming colln.). BMNH [lost].
- ventricosus** Orbigny, *Mycetopus*: 1846, *Voy. Amér. Mérid.*, **5**, pt. 3, p. 602, pl. 72, figs. 1-3

(province de Chiquitos, république de Bolivie, aux sources de Rio de Tucabaca, non loin de la mission de San-Juan). BMNH [lost].

- verecundus** Gould *Unio* : 1850 Proc. Boston Soc. Nat. Hist., **3** : 295 (Manila [Philippine Islands]) ; Gould 1852, United States. Expl. Exped., **12** : 431, pl. 37, figs. 541, a-c. Figured holotype USNM 5926 ; paratype BMNH 1964150, figured by Reeve 1865, Conch. Iconica, **16**, *Unio*, pl. 25, species 125.
- verrucifer** Martens, *Unio* : 1894, Sitzber. Gesell. Natur. Freunde, Berlin, p. 216 (Fluss Hangang [bei Soul, Prov. Kyongkwido], Korea) ; Martens, 1905, Zool. Jahrb., Suppl. 8, p. 61, pl. 3, figs. 2, 2b. Paratype BMNH 94.11.24.9, consists of one valve.
- vignouana** Bernardi, *Margaritana* : 1858, Jour. de Conch., **7** : 302, pl. 10, fig. 1 (un lac voisin de la rivière Como, Haut Gabon). Figured holotype and two paratypes in colln. of Jour de Conch., Paris teste Fischer, 1950, Jour. de Conch., **90** : 18 ; paratype BMNH [lost] figured by Reeve, 1865, Conch. Iconica, **16**, *Unio*, pl. 25, species 120 as *Unio vignonana*.
- vittatus** Lea, *Unio* : 1859, Proc. Acad. Nat. Sci. Phila., **11** : 153 (Australia, H. Cuming) ; Lea, 1860, Jour. Acad. Nat. Sci. Phila. (2) **4** : 249, pl. 38, fig. 128 ; Lea, 1860, Obs. Unio, **7** : 67. Opposite valve of type also figured by Reeve, 1864, Conch. Iconica, **16**, *Unio*, pl. 18, species 83, Holotype BMNH 1958.4.3.1 ; paratype USNM 84407. See discussion by McMichael and Hiscock, 1958, Australian Jour. of Marine and F. W. Res., **9** : 390, pl. 2, fig. 1, pl. 1, figs. 13-14.
- vonbuschea** Sowerby, *Unio* : 1866, Conch. Iconica, **16**, *Unio*, pl. 51, species 269. (Hab. ?, Cuming colln.). BMNH [lost].
- vulcanus** Hanley, *Unio* : 1875, Proc. Zool. Soc. London, p. 606 (Birmah or Pegu). Holotype BMNH 1900.3.19.20, figured by Hanley and Theobald, 1876, Conch. Indica, p. 62, pl. 155, fig. 3.
- walpolei** Hanley, *Monocondylaea* : 1871, Proc. Zool. Soc. London, p. 587 (Sarawak, Borneo). Lectotype MCZ 175577, selected by Johnson 1948, Nautilus, **62** : 49, pl. 3, fig. 2 ; paralectotype BMNH 71.7.11.1, ex R. F. Geale.
- watersoni** Tomlin, *Anodonta* : 1923, Jour. of Conch., **17** : 68, text fig. (Lake Beschik, Salonika). Figured holotype BMNH 1923.12.31.95.
- welwitschii** Morelet, *Iridina* : 1868, Voyage dans les Royaumes d'Angola et de Benguella, p. 98 (la rivière Muria, près de Trombeta (Golungo-Alto) Angola). Lectotype, here selected, BMNH 93.2.4.1740, plate 1 fig. 1. Length 86, height 48, width 22 mm ; smaller paralectotype BMNH 93.2.4.1741.
- wolwichii** Morelet, *Unio* : 1845, Moll. de Portugal, p. 105, pl. 13, fig. 1 (les eaux de la vallée du Tage, entre Villa-Nova et Azumbuja [Portugal]). Holotype BMNH 93.2.4.1964 ; paratype BMNH 93.2.4.1965.
- woodthorpi** Godwin-Austen, *Margaritanopsis* : 1919, Records Indian Mus., Calcutta, **16** ; 204, pl. 14 (Fort Stedman, Shan States). Holotype BMNH 1965218 ; paratype BMNH 1965219.
- zambesiensis** Preston, *Unio* : 1905, Proc. Mal. Soc. London, **6** : 301, text fig. 1 (just above Victoria Falls, Zambesi River [Africa]). Figured holotype BMNH 1905.8.29.1.
- zonata** Hanley and Theobald, *Unio marginalis* : 1872, Conch. Indica, p. 20, pl. 44, fig. 2 (Belgaum, Deccan). Holotype BMNH 1907.10.28.252.

Part 2

FIGURED SPECIMENS OF UNIONACEA IN THE BRITISH MUSEUM (NAT. HIST.) WHICH ARE NOT TYPES

Material in square brackets indicates additional information, or more generally, that the locality was copied from the original description and does not necessarily apply to the specimen figured.

Specimens of Unionacea, exclusive of types, figured in : Reeve, L. and G. B. Sowerby, 1864-70, Conchologia Iconica, **16**, **17**.

1864-68, **16**, *Unio*.

- Pl. 1, fig. 1. *Unio boykinianus* Lea. [Chattahoochee River, Georgia and Warrior River, Alabama]. Cuming colln. BMNH 196473.
- Pl. 1, fig. 3. *Unio schoolcraftensis* Lea. [Fox River, Green Bay, Wisconsin, N. America]. Cuming colln. BMNH 196474.
- Pl. 1, fig. 4. *Unio verrucosus* Rafinesque. [River Ohio, N. America]. Cuming colln. BMNH 196475.
- Pl. 2, fig. 6. *Unio kleinianus* Lea. Suwanee River, Florida, North America. Cuming colln. BMNH 196476.
- Pl. 2, fig. 7. *Unio caelatus* Conrad. North America. Cuming colln. BMNH 196477.
- Pl. 3, fig. 10. *Unio turgidus* Lea. New Orleans, North America. Cuming colln. BMNH 196478.
- Pl. 3, fig. 11. *Unio apiculatus* Say. North America. Cuming colln. BMNH 196479.
- Pl. 4, fig. 14. *Unio sparsus* Lea. East Tennessee, North America. Cuming colln. BMNH 196480.
- Pl. 4, fig. 15. *Unio phillipsii* Conrad. North America. Cuming colln. BMNH 196481.
- Pl. 4, fig. 16. *Unio costatus* Rafinesque. North America. Cuming colln. BMNH 196482.
- Pl. 5, fig. 17. *Unio trapezoides* Lea. [Lake St. Joseph, Louisiana, North America]. Cuming colln. BMNH 196483.
- Pl. 5, fig. 20. *Unio elliotii* Lea. [Othcalooga Creek, Gordon County, Georgia, North America.]. Cuming colln. BMNH 196484.
- Pl. 6, fig. 22. *Unio flexuosus* Rafinesque. North America. Cuming colln. BMNH 196485.
- Pl. 6, fig. 24. *Unio quadratus* Rafinesque. Ohio River, North America. Cuming colln. BMNH 196486.
- Pl. 7, fig. 25. *Unio metanever* Rafinesque. North America. Cuming colln. BMNH 196487.
- Pl. 7, fig. 26. *Unio prasinus* Conrad. North America. Cuming colln. BMNH 196488 and 196489.
- Pl. 7, fig. 27. *Unio fragosus* Conrad. North America. Cuming colln. BMNH 196490.
- Pl. 8, fig. 28. *Unio cyphius* Rafinesque. North America. Cuming colln. BMNH 196491.
- Pl. 8, fig. 29. *Unio dromas* Lea. Tennessee, North America. Cuming colln. BMNH 196492.
- Pl. 9, fig. 32. *Unio nodulosus* Wood. [*Unio leaei* Gray (Errata)]. China. Cuming colln. BMNH 196493.
- Pl. 9, fig. 34. *Unio graniferus* Lea. Ohio River, North America. Cuming colln. BMNH 196494.
- Pl. 9, fig. 35. *Unio perplicatus* Conrad. North America. Cuming colln. BMNH 196495.
- Pl. 10, fig. 36. *Unio semigranosus* Philippi. Mexico. Cuming colln. BMNH 196496.
- Pl. 10, fig. 38. *Unio dorfeuillianus* Lea. Ohio River, North America. Cuming colln. BMNH 196497.
- Pl. 11, fig. 40. *Unio hippopaeus* Lea. Lake Erie, North America. Cuming colln. BMNH 196498.
- Pl. 11, figs. 41a, b. *Unio gibbosus* Rafinesque. North America. Cuming colln. a is BMNH 196499 ; b is BMNH 1964104.
- Pl. 11, fig. 42. *Unio perlensis* Conrad. North America. Cuming colln. BMNH 1964100.
- Pl. 12, fig. 43. *Unio bullatus* Rafinesque. North America. Cuming colln. BMNH 1964101.
- Pl. 12, fig. 45. *Unio stegarius* Rafinesque. North America. Cuming colln. BMNH 1964102.
- Pl. 12, fig. 46. *Unio pernodosus* Lea. North Carolina, North America. Cuming colln. BMNH 1964103.
- Pl. 13, fig. 47. *Unio nodiferus* Conrad. [North America]. Cuming colln. BMNH 1964105.
- Pl. 13, fig. 48. *Unio intermedius* Conrad. North America. Cuming colln. BMNH 1964106.
- Pl. 13, fig. 52. *Unio stapes* Lea. Alabama, North America. Cuming colln. BMNH 1964107.
- Pl. 14, fig. 54. *Unio rangianus* Lea. Ohio River, North America. Cuming colln. BMNH 1964108.
- Pl. 14, fig. 55. *Unio penitus* Conrad. Alabama, North America. Cuming colln. BMNH 1964109.

- Pl. 14, fig. 57. *Unio arcaeformis* Lea. Tennessee River, North America. Cuming colln. BMNH 1964110.
- Pl. 14, fig. 58. *Unio sowerbyanus* Lea. Tennessee [River], North America. Cuming colln. BMNH 1964111.
- Pl. 14, fig. 59. *Unio pileus* Lea. Ohio River, North America. Cuming colln. BMNH 1964112.
- Pl. 14, fig. 60. *Unio sulcatus* Lea. Ohio River, North America. Cuming colln. BMNH 1964113.
- Pl. 15, fig. 62. *Unio haysianus* Lea. Cumberland River, North America. Cuming colln. BMNH 1964114.
- Pl. 15, fig. 63. *Unio ridibundus* Say. North America. Cuming colln. BMNH 1964115.
- Pl. 15, fig. 64. *Unio personatus* Say. Ohio River, North America. Cuming colln. BMNH 1964116.
- Pl. 15, fig. 65. *Unio edgarianus* Lea. Tennessee River, North America. Cuming colln. BMNH 1964117.
- Pl. 15, fig. 66. *Unio stewardsonii* Lea. Chattanooga River, North America. Cuming colln. BMNH 1964118.
- Pl. 16, fig. 68. *Unio nucleopsis* Conrad. North America. Cuming colln. BMNH 1964119.
- Pl. 16, fig. 69. *Unio chattanoogaensis* Lea. Chattanooga, [River] North America. Cuming colln. BMNH 1964120.
- Pl. 16, fig. 70. *Unio raveneliensis* Lea. Tennessee River, North America. Cuming colln. BMNH 1964121.
- Pl. 16, fig. 71. *Unio decusus* Lea. Alabama River, North America. Cuming colln. BMNH 1964122.
- Pl. 16, fig. 72. *Unio mundus* Lea. North America. Cuming colln. BMNH 1964123. [Not the *mundus* of Lea, but nearer his *mooresianus* and *cuneolus* (Errata)].
- Pl. 16, fig. 73. *Unio cuneatus* Rafinesque. North America. Cuming colln. BMNH 1964124.
- Pl. 16, fig. 74. *Unio woodwardianus* Lea. Georgia, North America. Cuming colln. BMNH 1964125.
- Pl. 17, fig. 75. *Unio lenior* Lea. Tennessee, North America. Cuming colln. BMNH 1964126.
- Pl. 17, fig. 77. *Unio medius* Lea. Alabama, North America. Cuming colln. BMNH 1964127.
- Pl. 17, fig. 78. *Unio subrostratus* Say. North America. Cuming colln. BMNH 1964128. [Nearer the *patulus* of Lea (Errata)].
- Pl. 17, fig. 79 a. *Unio capsaeformis* Lea. Cumberland River, North America. Cuming colln. BMNH 1964129.
- Pl. 18, fig. 92. *Unio perdix* Lea. Tennessee, North America. Cuming colln. BMNH 1964130.
- Pl. 18, fig. 84. *Unio obesus* Lea. [York River, Virginia] North America. Cuming colln. BMNH 1964131.
- Pl. 19, fig. 85. *Unio mississippiensis* Conrad, MS. Mississippi River, North America. Cuming colln. BMNH 1964132. Sent by Anthony to Cuming prior to publication in 1850.
- Pl. 19, fig. 86. *Unio rectus* Lamarck. North America. Cuming colln. BMNH 1964133.
- Pl. 19, fig. 87. *Unio anodonioides* Lea. North America. Cuming colln. BMNH 1964134.
- Pl. 20, fig. 88. *Unio buddianus* Lea. Florida, North America. Cuming colln. BMNH 1964135.
- Pl. 20, fig. 89. *Unio cucumoides* Lea. Hunter's River, New South Wales. Cuming colln. BMNH 1964136.
- Pl. 20, fig. 90. *Unio shepardianus* Lea. Georgia, North America. Cuming colln. BMNH 1964137.
- Pl. 21, fig. 93. *Unio patagonicus* d'Orbigny. Patagonia. Cuming colln. BMNH 1964138.
- Pl. 21, fig. 94. *Unio nasutus* Say. North America. Cuming colln. BMNH 1964139.
- Pl. 21, fig. 95. *Unio fuscatus* Lea. Florida, North America. Cuming colln. BMNH 1964140.
- Pl. 23, fig. 107. *Unio cuneolus* Lea. Tennessee, North America. Cuming colln. BMNH 1964142.
- Pl. 23, fig. 108. *Unio berlandierii* Lea. Mexico. Texas. Cuming colln. BMNH 1964143.
- Pl. 23, fig. 109. *Unio altilis* Conrad. North America. Cuming colln. BMNH 1964144.

- Pl. 24, fig. 113. *Unio fisherianus* Lea. [Chester River, Maryland, North America]. Cuming colln. BMNH 1964145.
- Pl. 24, fig. 114. *Unio navigioliformis* Lea. Hab.? Cuming colln. BMNH 1964146.
- Pl. 24, fig. 115. *Unio purpuratus* Lamarck. Louisiana, North America. Cuming colln. BMNH 1964147.
- Pl. 24, fig. 116. *Unio haleianus* Lea. [Mississippi, near New Orleans, North America]. Cuming colln. BMNH 1964148.
- Pl. 25, fig. 119. *Unio grayanus* Lea. China. Cuming colln. BMNH 1964149.
- Pl. 25, fig. 125. *Unio verecundus* Gould. Manila, Island of Luzon, Philippines. Cuming colln. BMNH 1964150.
- Pl. 26, fig. 126. *Unio ingallsianus* Lea. [Siam ; Dr. Ingalls]. Cuming colln. BMNH 1964151.
- Pl. 26, fig. 127. *Unio incrassatus* Lea. Georgia, North America. Cuming colln. BMNH 1964152.
- Pl. 26, fig. 128. *Unio concestator* Lea. Georgia, North America. Cuming colln. BMNH 1964153.
- Pl. 26, fig. 129. *Unio obtusus* Lea. Georgia, North America. Cuming colln. BMNH 1964154.
- Pl. 26, fig. 132. *Unio aegyptiacus* Cailliaud. [River Nile, Egypt ; Cailliaud]. Cuming colln. BMNH 1964155.
- Pl. 27, fig. 133. *Unio solidus* Lea. [Ohio River, at Cincinnati, Ohio, North America]. Cuming colln. BMNH 1964156.
- Pl. 27, fig. 135. *Unio circulus* Lea. Ohio and Tennessee, North America. Cuming colln. BMNH 1964157.
- Pl. 27, fig. 139. *Unio radiatus* Gmelin. [Lake Georgia, North America]. Cuming colln. BMNH 1964158.
- Pl. 28, fig. 142. *Unio sumatrensis* Lea. Sumatra. Cuming colln. BMNH 1964159. This specimen was probably not seen by Lea. Holotype USNM 84059.
- Pl. 28, fig. 144. *Unio nitens* Lea. Tennessee, North America. Cuming colln. BMNH 1964160.
- Pl. 29, fig. 148. *Unio iris* Lea. Ohio. Cuming colln. BMNH 1964162.
- Pl. 29, fig. 149. *Unio contradens* Lea. River Mezherdeh, Tunis. Cuming colln. BMNH 1964163.
- Pl. 30, fig. 154. *Unio platyrhynchus* Rossmassler. Carinthia. Cuming colln. BMNH 1964164.
- Pl. 30, fig. 156. *Unio aucklandicus* Gray, Auckland, New Zealand, Cuming colln. BMNH 1964165.
- Pl. 31, fig. 162. *Unio ornatus* Conrad. Alabama. [Cuming colln.]. BMNH 1964166.
- Pl. 31, fig. 163. *Unio subovatus* Lea. Ohio. [Cuming colln.]. BMNH 1964167.
- Pl. 31, fig. 164. *Unio ovatus* Say. Ohio. [Cuming colln.]. BMNH 1964168.
- Pl. 32, fig. 165. *Unio negatus* Lea. [Big Prairie Creek, Alabama ; E. R. Showalter. Columbus ; Miss. ; Spillman]. Cuming colln. BMNH 1964169.
- Pl. 32, fig. 167. *Unio shuttleworthi* Lea. Australia ; Shuttleworth. Cuming colln. BMNH 1964170. Not seen by Lea, but mentioned by him as being in the Cuming colln. Holotype USNM 84416.
- Pl. 32, fig. 169. *Unio burroughianus* Lea. River Panama, South America. Cuming colln. BMNH 1964171.
- Pl. 33, fig. 170. *Unio umbrosus* Lea. [Medellin River, Mexico ; Dr. Burrough]. Cuming colln. BMNH 1964172.
- Pl. 33, fig. 171. *Unio medellinus* Lea. [River Medellin, near Vera Cruz ; Dr. Burrough. Cuming colln.]. BMNH 1964173.
- Pl. 33, fig. 172. *Unio hembeli* Conrad. Louisiana. Cuming colln. BMNH 1964174.
- Pl. 33, fig. 173. *Unio lecontianus* Lea. [River Georgia ; Major Leconte]. Cuming colln. BMNH 1964175.
- Pl. 34, fig. 175. *Unio buckleyi* Lea. [Lake George and Lake Munroe. Florida ; S. B. Buckley]. Cuming colln. BMNH 1964176.

- Pl. 34, fig. 176. *Unio discrepans* Lea. [North Alabama ; Prof. Tuomey]. Cuming colln. BMNH 1964177.
- Pl. 34, fig. 179. *Unio umbrans* Lea. [Othcalooga Creek, Gordon County, Georgia ; Bishop Elliot]. Cuming colln. BMNH 1964178.
- Pl. 34, fig. 180. *Unio barnesianus* Lea. [Cumberland River, Tennessee ; Dr. Troost]. Cuming colln. BMNH 1964179.
- Pl. 34, fig. 181. *Unio regularis* Lea. [French Broad River, East Tennessee ; Dr. Troost]. Cuming colln. BMNH 1964180.
- Pl. 35, fig. 182. *Unio micans* Lea. [Catawba River ; Wheatley. Deep River Gulf, North Carolina, Emmons. Cuming colln.]. BMNH 1964181.
- Pl. 35, fig. 183. *Unio pellucidus* Lea. [Chatahoochee River, Georgia]. Cuming colln. BMNH 1964182.
- Pl. 35, fig. 184. *Unio heterodon* Lea. Georgia. Cuming colln. BMNH 1964183.
- Pl. 35, fig. 185. *Unio confertus* Lea. South Carolina. Cuming colln. BMNH 1964184.
- Pl. 35, fig. 186. *Unio parvus* Barnes. [Fox River, North America]. Cuming colln. BMNH 1964185.
- Pl. 35, fig. 187. *Unio blandingianus* Lea. Florida. Cuming colln. BMNH 1964186.
- Pl. 35, fig. 188. *Unio haslehurstianus* Lea. [Satilla River, Camden County, Georgia ; C. T. Downie]. Cuming colln. BMNH 1964187.
- Pl. 36, fig. 189. *Unio acutissimus* Lea. Alabama River. Cuming colln. BMNH 1964188.
- Pl. 36, fig. 190. *Unio glans* Lea. River Ohio. [Cuming colln.]. BMNH 1964189.
- Pl. 36, fig. 191. *Unio zeiglerianus* Lea. Cumberland River, Tennessee. Cuming colln. BMNH 1964190.
- Pl. 36, fig. 192. *Unio hildrethianus* Lea. Ohio. Cuming colln. BMNH 1964191.
- Pl. 36, fig. 193. *Unio tortivus* Lea. [Chattahoochee River, Georgia]. Cuming colln. BMNH 1964192.
- Pl. 36, fig. 194. *Unio ahaeneus* Lea. [Black Creek, Florida]. Cuming colln. BMNH 1964193.
- Pl. 36, fig. 196. *Unio fabalis* Lea. [Ohio River ; Lea]. Cuming colln. BMNH 1964194.
- Pl. 36, fig. 197. *Unio cumberlandicus* Lea. Cumberland River. Cuming colln. BMNH 1964195.
- Pl. 37, fig. 200. *Unio lens* Lea. [River Ohio ; Lea. Tennessee ; Vanuxem]. Cuming colln. BMNH 1964196.
- Pl. 37, fig. 201. *Unio subrotundus* Lea. West Africa. [Cuming colln.]. BMNH 1964197.
- Pl. 37, fig. 202. *Unio foremanianus* Lea. Coosa River, Alabama. Cuming colln. BMNH 1964198.
- Pl. 37, fig. 203. *Unio hydeanis* Lea. [Teche River, Louisiana ; W. M. Stewart]. Cuming colln. BMNH 1964199.
- Pl. 37, fig. 204. *Unio argenteus* Lea. [Holston River, East Tennessee ; Dr. Troost]. Cuming colln. BMNH 1964200.
- Pl. 38, fig. 206. *Unio novi-eboraci* Lea. [Oak Orchard Creek, Orleans County, New York ; J.C. Jay]. Cuming colln. BMNH 1964201.
- Pl. 38, fig. 207. *Unio murchisonianus* Lea. [*Unio douglasiae* Gray (Errata)]. China. Cuming colln. BMNH 1964202.
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- Pl. 38, fig. 210. *Unio troostensis* Lea. North America. Cuming colln. BMNH 1964204.
- Pl. 38, fig. 211. *Unio muhlfeldianus* Lea. Tennessee. Cuming colln. BMNH 1964205.
- Pl. 38, fig. 212. *Unio obesus* Lea. [York River]. Cuming colln. BMNH 1964206.
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- Pl. 39, fig. 215. *Unio gracilis* Barnes. River Ohio. Cuming colln. BMNH 1964208.
- Pl. 39, fig. 216. *Unio vanuxemensis* Lea. River Cumberland, Tennessee. Cuming colln. BMNH 1964209.
- Pl. 39, fig. 217. *Unio stramineus* Conrad. River Alabama. Cuming colln. BMNH 1964210.

- Pl. 40, fig. 219. *Unio gibber* Lea. [Carryfork River, Tennessee ; Prof. Troost]. Cuming colln. BMNH 1964211.
- Pl. 40, fig. 220. *Unio crassus* Say. North America. Cuming colln. BMNH 1964212.
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- Pl. 61, fig. 309. *Unio lineatus* Lea. [Chattahoochee River, Columbus, Georgia ; Dr. Boykin]. Taylor colln. BMNH 1874.12.11.27.
- Pl. 62, fig. 310. *Unio discus* Lea. India. [Habitat wrong (Errata)]. Sowerby colln. BMNH 1888.12.4.2016.
- Pl. 62, fig. 311. *Unio sinuatus* Lamarck. Rivers of Europe. Taylor colln. BMNH 1864.12.11.29.
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No localities are given in this work, the localities are from the boxes in which the specimens were found.

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 Pl. 2, fig. 2. *Unio decurvatus* Rossmassler [Germany]. BMNH 1908.12.15.3.
 Pl. 2, fig. 9. *Unio trirostris*. [Hindustan] BMNH 1907.12.30.45.
 Pl. 2, fig. 10. *Unio prevostianus* Lea. [Georgia]. BMNH 1908.12.15.18.
 Pl. 3, fig. 2. *Unio lineatus* Lea. [Georgia]. BMNH 1908.12.15.7.
 Pl. 3, fig. 4. *Unio boykinianus* Lea. [Alabama]. BMNH 1908.12.15.16.
 Pl. 4, fig. 1. *Unio bigbyensis* Lea. [Tennessee]. BMNH 1908.12.15.2.
 Pl. 4, fig. 2. *Unio crocodilorum* Morelet. [Central America]. BMNH 1908.12.15.4.
 Pl. 4, fig. 5. *Unio preovalis* Conrad. [Alabama]. BMNH 1908.12.15.6.
 Pl. 4, fig. 8. *Unio spatulatus* Lea. [Wisconsin]. BMNH 1908.12.15.14.
 Pl. 5, fig. 1. *Anodonta rubens* Lamarck. [Lower Nile]. BMNH 1908.12.15.8.
 Pl. 5, fig. 2. *Mycetopus siliquosus* Spix. [Panama River]. BMNH 1908.12.15.12.
 Pl. 5, fig. 4. *Unio (Symphonata) cumingii* Lea. [Alabama]. BMNH 1908.12.15.9.

Specimen of Unionidae figured in ; Forbes, E. and S. Hanley, 1853, A History of British Mollusca and Their Shells.

- Pl. 40, fig. 3. *Anodonta cygnea* Linnaeus. BMNH 1907.12.30.53.

Specimens of Unionacea, exclusive of types, figured in : Hanley, S. and W. Theobald, 1870-76. Conchologia Indica ; Illustrations of the Land and Freshwater Shells of British India.

- Pl. 9, fig. 3. *Trigodonon crebristriatum* Anthony. British Birmah. BMNH 1907.10.28.204.
 Pl. 9, fig. 4. *Pseudodon salwenianum* Gould. Salwen River, Birmah. BMNH 1907.12.30.44.
 Pl. 9, fig. 5. *Trigodonodon crebristriatus*, var. Anthony. Hab.? BMNH 1907.10.28.203.
 Pl. 9, fig. 6. *Unio lamellatus* [generosus on box], var. Lea. A peculiar winged form from Mandalay. BMNH 1907.10.28.254.
 Pl. 10, fig. 1. *Unio olivarius* Lea. Rohilcund Streams. BMNH 1907.12.30.62.
 Pl. 10, fig. 4. *Unio macilentus* Benson. "Bengal", Mandalay. BMNH 1907.12.30.41
 Pl. 10, fig. 6. *Unio bonneaudi* Eydoux and Souleyet. Bhama, [Bhamdo] Upper Birmah (Blanford). BMNH *415.06.1.1.
 Pl. 10, fig. 7. *Unio pugio* Benson. Ava. Pegu (Theobald). BMNH 1907.10.28.258.
 Pl. 11, fig. 1a. *Unio favidens* Benson. Sunderbund, Bengal. BMNH 1907.12.30.43.
 Pl. 11, fig. 5. *Unio crispisulcatus* Benson. Tenasserim ; Pegu. BMNH 1907.10.28.263.
 Pl. 11, fig. 9. *Unio trirostris* Benson. non Reeve 1868. Moradabad. BMNH 1907.12.30.47.
 Pl. 12, fig. 2. *Unio gerbidoni* Eydoux and Souleyet. "Coromandel". BMNH *418.06.1.1.
 Pl. 12, fig. 3, 3a. *Unio caeruleus* Lea. River Hooghly, &c. BMNH 1907.12.30.63.
 Pl. 12, fig. 4. *Unio gerbidoni*, var. Eydoux and Souleyet. Hab.? BMNH 1907.12.30.67.

* Goodwin-Austen's catalogue number.

- Pl. 12, fig. 6a. *Unio leioma* Benson. Near Bombay. BMNH 1907.12.30.66.
 Pl. 42, fig. 1. *Unio birmanus* Blanford. Bhamo, Upper Birmah. BMNH *551.06.1.1.
 Pl. 42, fig. 3. *Unio foliaceus* Gould. Tavoy, Birmah, Pegu. BMNH 1907.10.28.240.
 Pl. 42, figs. 5, 6. *Unio marcens* Hanley (for *U. favidens*, var. *marcens* of Benson). Berhampooter River, Assam. BMNH *424.06.1.1.
 Pl. 42, fig. 7. *Unio marginalis*, var. *anodontina* Küster (*U. anodontinus*, Küster non Lamarck). River Godavery ; Nagpoor ; Sylhet. BMNH *451.06.1.1.
 Pl. 43, fig. 4. *Unio marginalis* var. *candaharica* Hutton. River Sutlej. BMNH 1907.10.28.176.
 Pl. 44, fig. 4. *Unio marginalis*, var. *corriana* Lea (*U. corrianus* Lea). Near Calcutta &c. BMNH 1907.10.28.187.
 Pl. 44, figs. 5, 6. *Unio corrugatus*, var. *laevirostris* Benson (*U. laevirostris* Benson). River Godavery ; Penguang &c. BMNH 1907.10.28.260.
 Pl. 45, fig. 2. *Unio corrugatus* Müller, var. *solida*. From the River Godavery. BMNH *420.06.1.1.
 Pl. 45, fig. 3. *Unio corrugatus* Lea. Nagpoor ; Pengunga. BMNH *603.06.1.1.
 Pl. 45, fig. 6. *Unio wynegungaensis* Lea. River Wynegunga, &c. BMNH 1907.12.30.58.
 Pl. 46, fig. 3. *Unio scobina?*, var. Benson. Belgaum, Deccan. BMNH *515.06.1.1.
 Pl. 107, fig. 2. *Unio triembolus* Benson. Nerbudda River. BMNH *493.06.1.1.
 Pl. 107, fig. 4. *Unio indicus*, var. *aurea* Sowerby. Nerbudda River. BMNH 1907.12.30.40.
 Pl. 107, figs. 6, 7. *Unio sikkimensis* Lea. Assam. BMNH *2416.03.viii.1.
 Pl. 154, fig. 2. *Unio parma?*, var. Benson. Bhamao. BMNH *617.06.1.1.
 Pl. 154, fig. 3. *Unio rugosus* Gmelin. Coromandel. BMNH 1907.12.30.64.
 Pl. 154, fig. 4. *Unio mandelyayanus* Theobald. Mandelay, Birmah. BMNH 1907.12.30.49.
 Pl. 154, fig. 5. *Unio macilentis*, var. Surat. Near Chimoor ; Pem Gunga. BMNH *622.06.1.1.
 Pl. 154, fig. 7. *Unio tavoyensis?*, var. ; Birmah. BMNH 1907.12.30.376.
 Pl. 155, fig. 2. *Unio bhamaoensis* Theobald. Near Bhamae, and from Western Prome, Pegu. BMNH 1907.10.28.169.

* Goodwin-Austen's catalogue number.

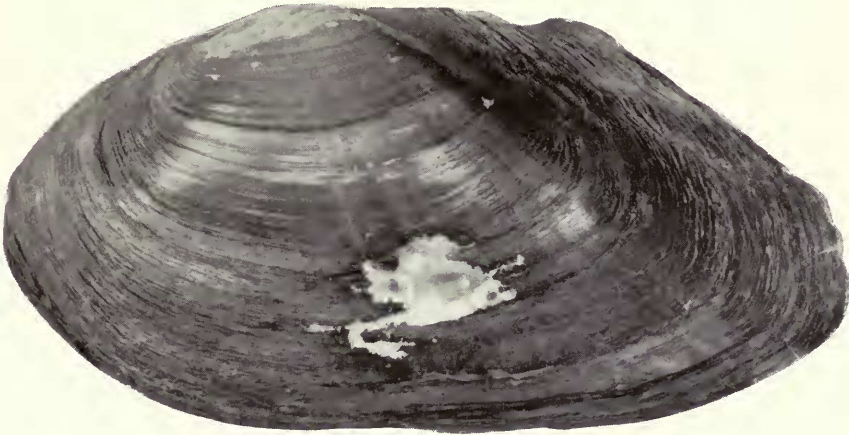
PLATE I

- FIG. 1. *Iridina welwitschii* Morelet. La rivière Muria, près de Trombeta (Golungo-Alto) Angola. Lectotype BMNH 93.2.4.1740. Length 86, height 48, width 22 mm.
- FIG. 2. *Anodon lucasii* Morelet. La Calle [Algeria]. Holotype BMNH 93.2.4.1950. Length 107, height 56, width 33 mm.
- FIG. 3. *Spatha baikii* A. Adams. River Niger [Nigeria]. Lectotype BMNH 196466. Length 116, height 75, width 46 mm.

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2



3



PLATE 2

- FIG. 1. *Unio episcopalis* Tristram. Orontes River, Palestine. Lectotype BMNH 1936.3.10.3
Length 80, height 47, width 28 mm.
- FIG. 2. *Unio simonis* Tristram. Orontes River, Palestine. Holotype BMNH 1936.3.10.6.
Length 48, height 35, width 24 mm.
- FIG. 3. *Unio scammatus* Morelet. Rio Tacataco [Pinar del Rio] Cuba. Lectotype BMNH 1893.
2.4.1976. Length 52, height 34, width 17 mm.
- FIG. 4. *Anodonta tunizana* Morelet. (La Calle), Tuniza. Lectotype BMNH 1893.2.4.1964.
Length 55, height 32, width 20 mm.
- FIG. 5. *Unio calamitarum* Morelet. Rivulum Baluntîè, propré Palenqueanum vicum [Chiapas,
Mexico]. Lectotype BMNH 1893.2.4.2010. Length 54, height 32, width 26 mm.
- FIG. 6. *Unio sitifensis* Morelet. L'oued dehhab, près d'Bone, Algeria. BMNH 1893.2.4.1965.
Length 71, height 33, width 23 mm.

